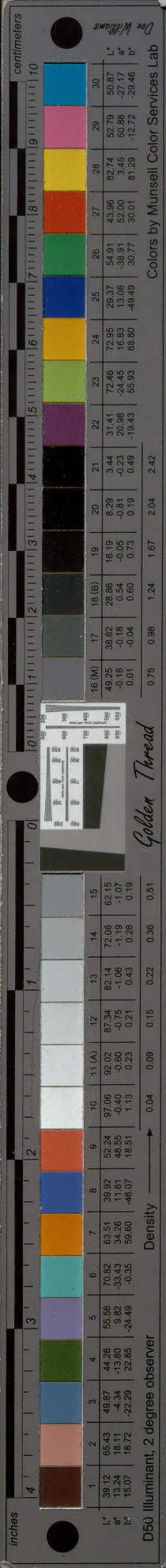
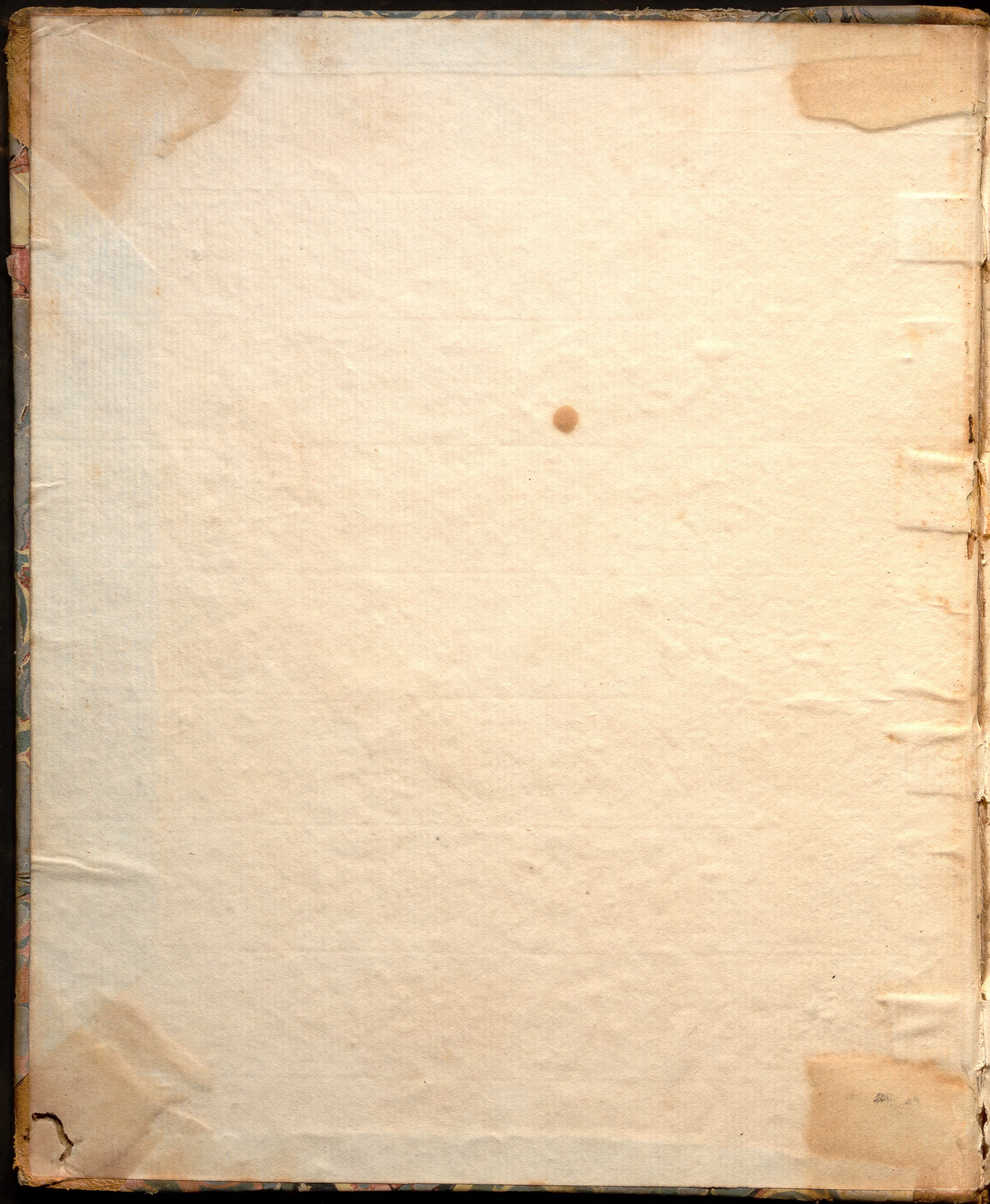
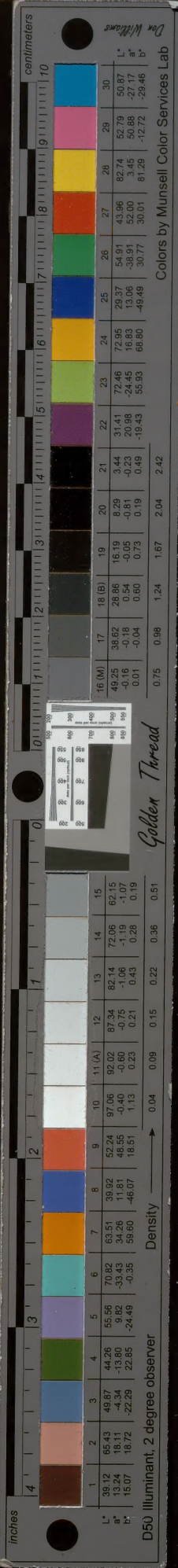
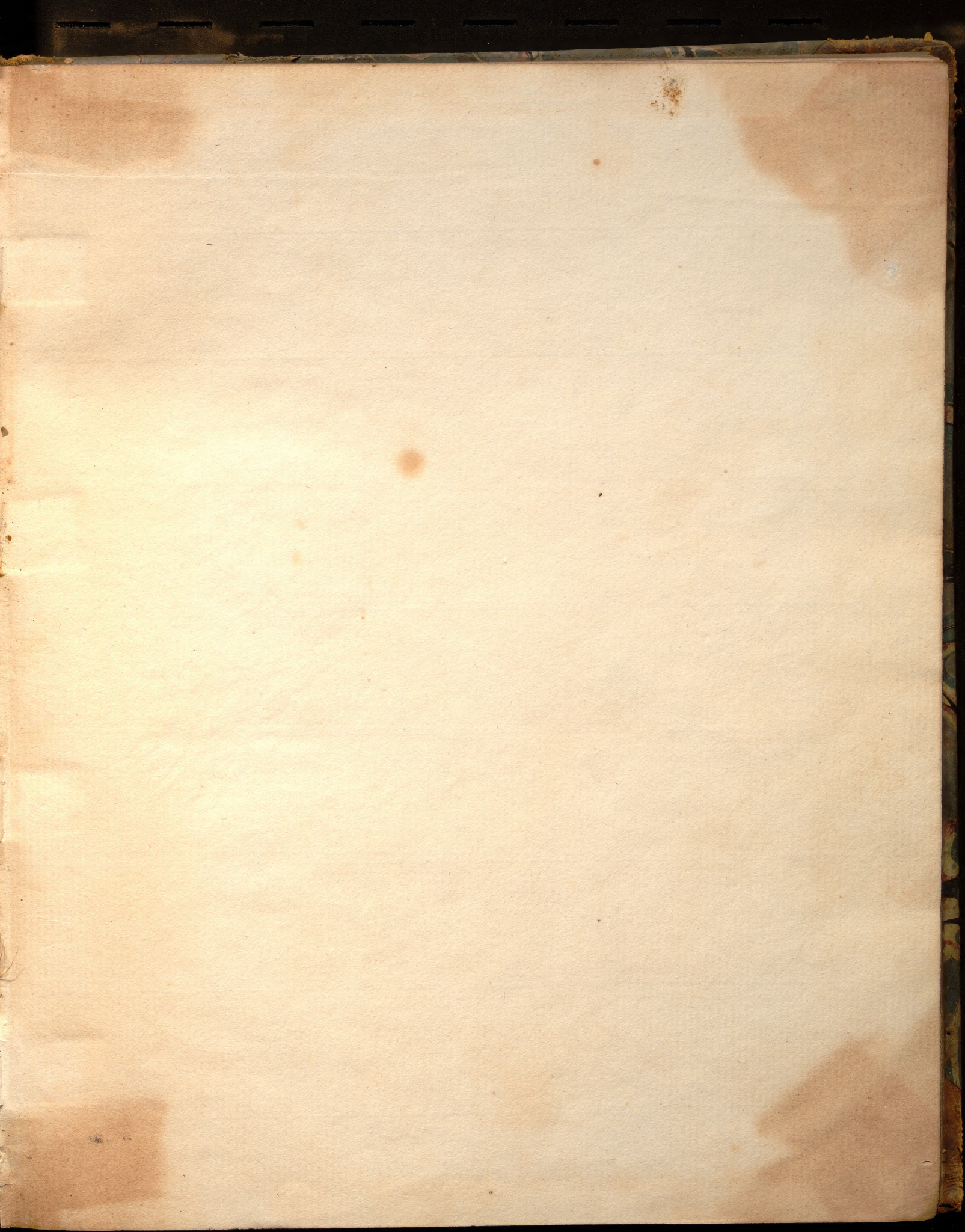
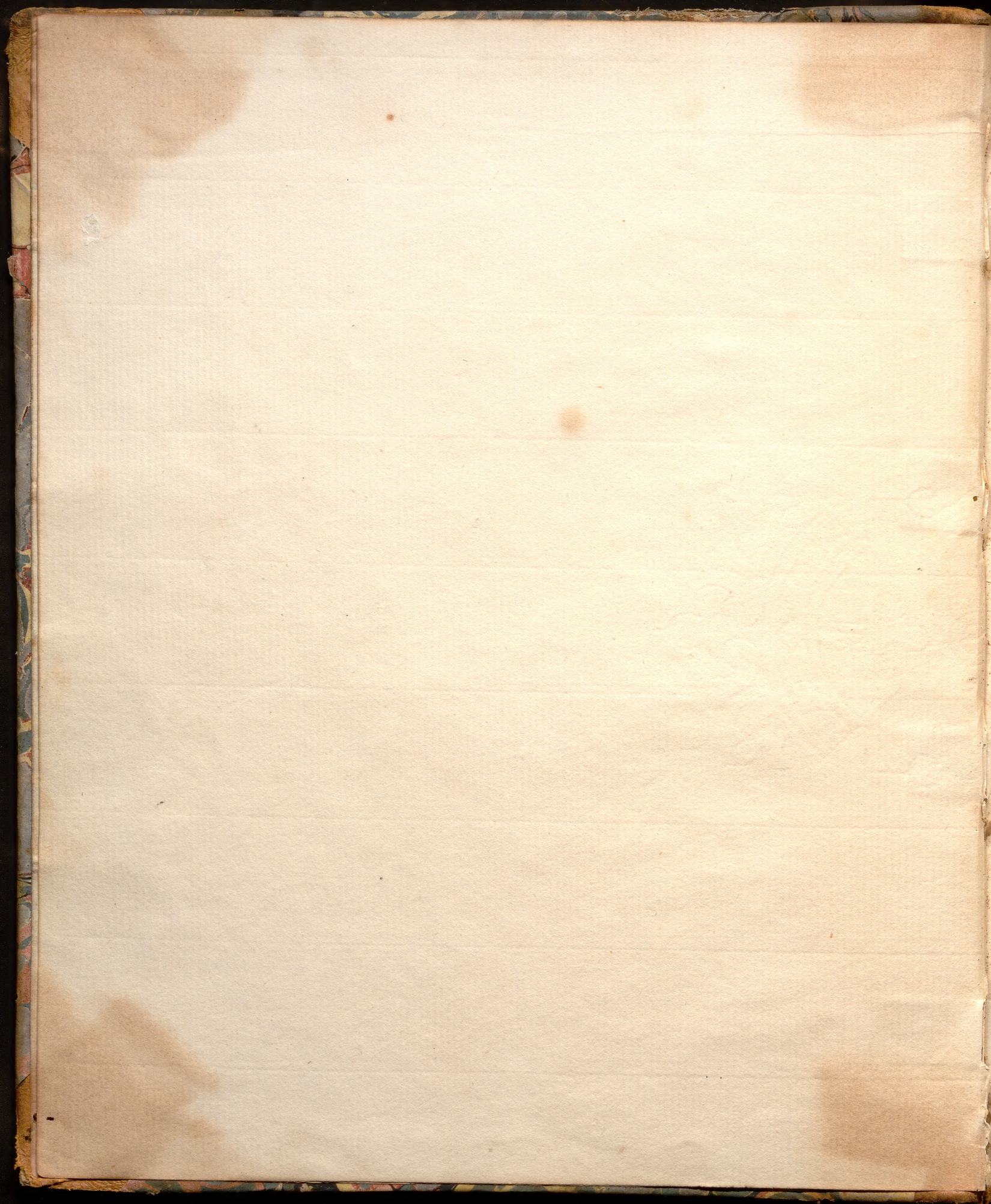


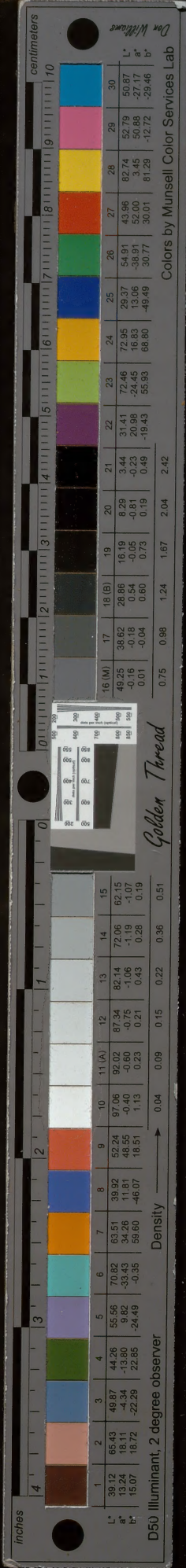
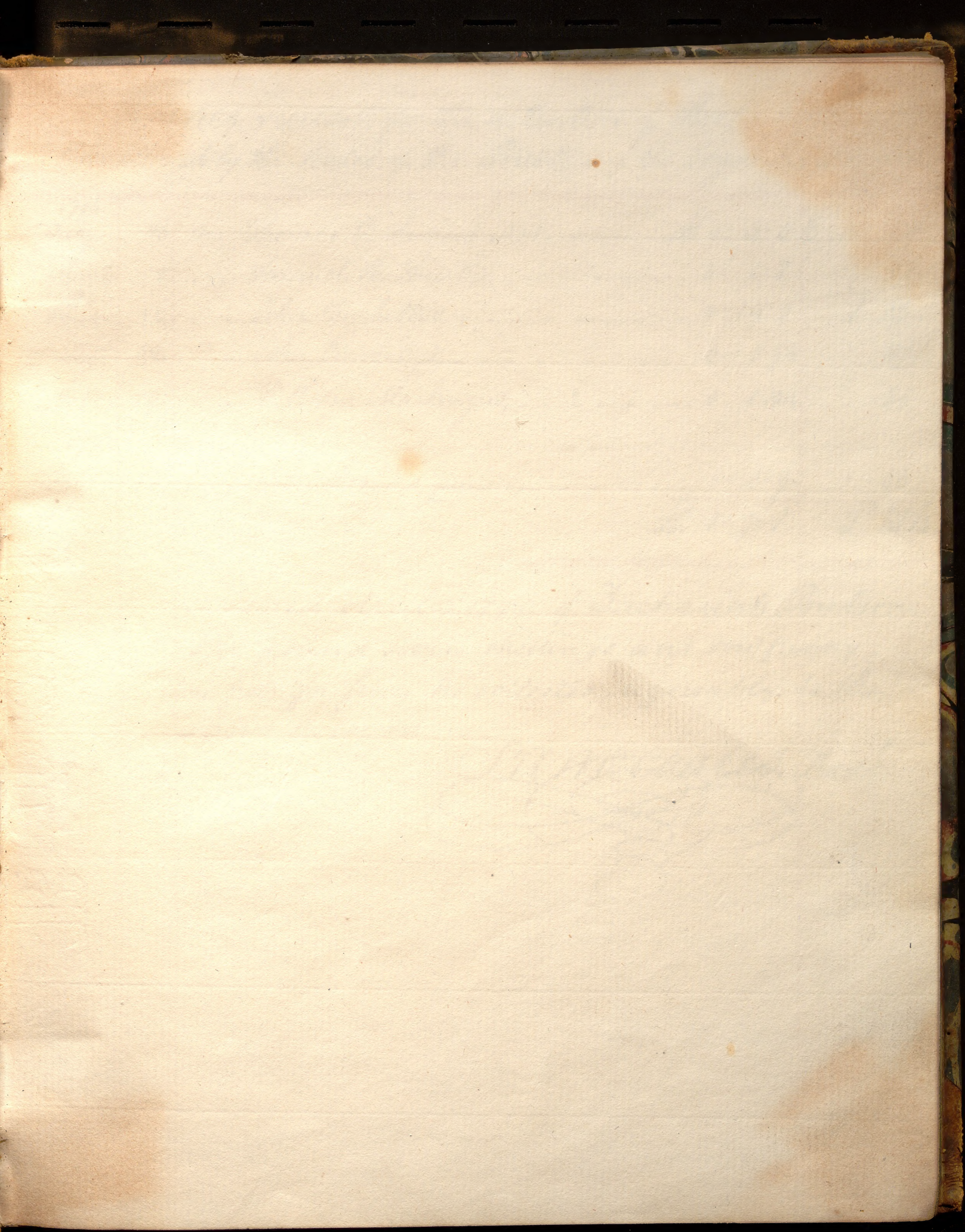
The
Loganian Library
Fine-book.

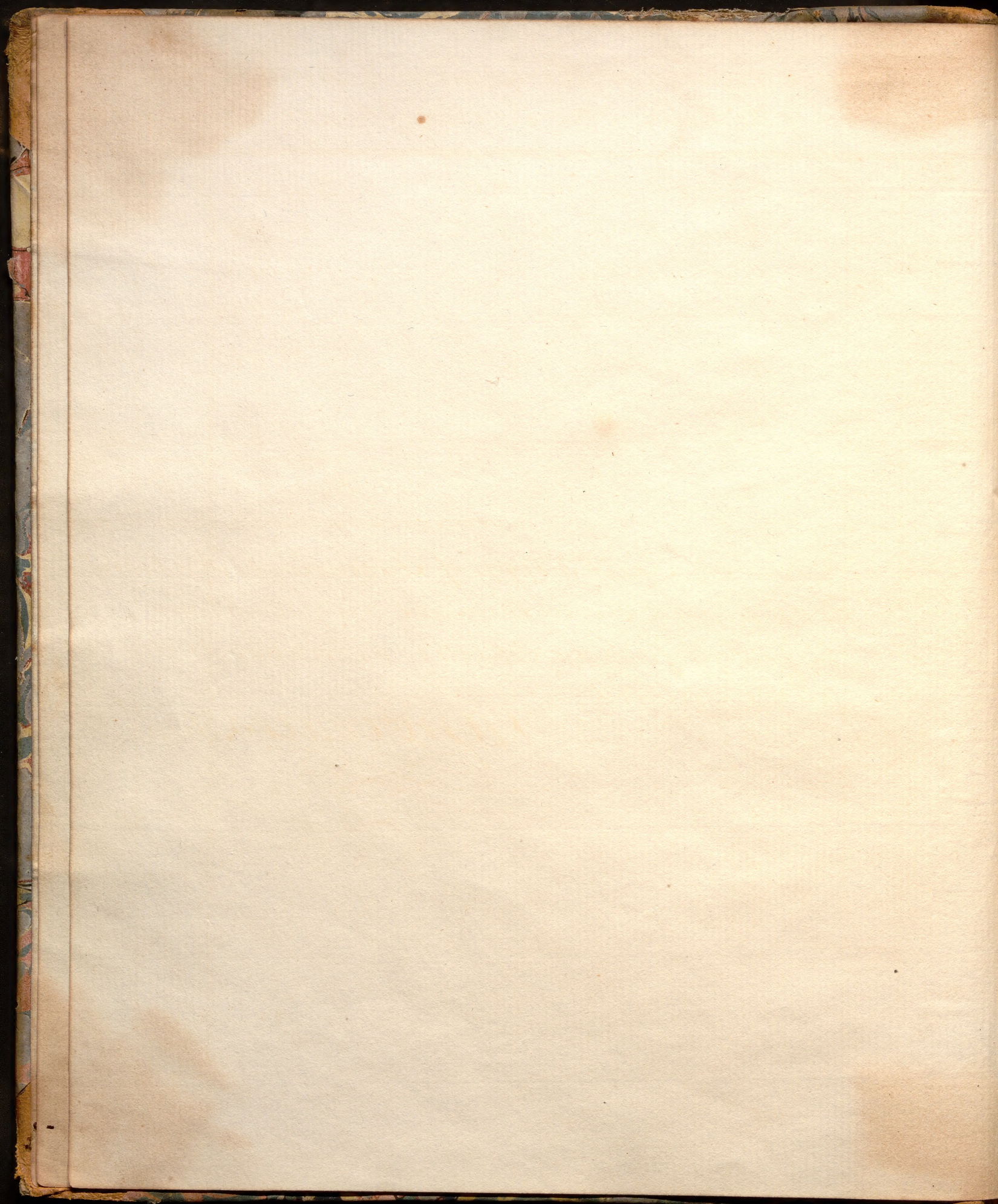












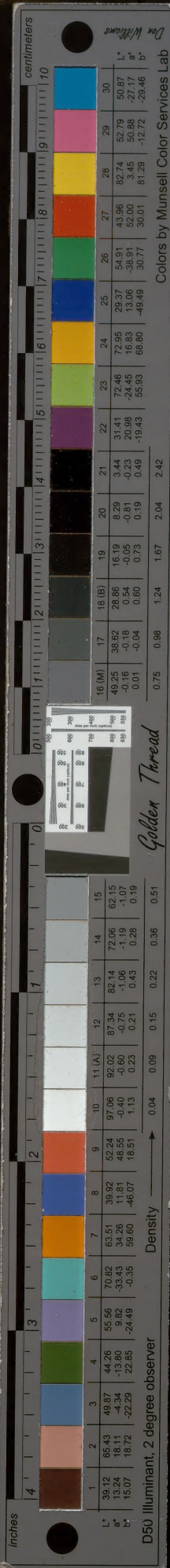
Fines received for the detention of Books beyond the time allowed by the Rules of the Trustees of the Logansian Library:

1794.	July	26.	On Thomas C. Sarnes's Note, - - -	L 0" 3" 0 B	"	40
Aug ^t	8.	.	Samuel H. Smith's, - - -	0" 1" 8	"	22
1796.	June	22.	John Cornbetty's, - - -	0" 14" 0	1	87
Aug ^t	30.	.	John Cornbetty's, - - -	0" 2" 9 1/2	"	37 1/2
Oct ^r	19.	.	William Mackenzies, - - -	0" 1" 10 1/2	"	25
1797.	Feb ^y	23.	John Robbins, juniors, - - -	0" 3" 9	"	50
				L 1" 7" 1	3	61 1/2

received April 5. 1797. of Zachariah Poulson,
One pound seven shillings and one penny,
in full for fines he collected, agreeably to the
above account

L 1. 7. 1
m

PAW. Coates. Treas.
[Signature]



*Fines received for the detention of Books beyond the time
allowed by the Rules of the Trustees of the Logarithmic Library:-*

Feb. 24. 1797.	On Benjamin Hornor, junior's Note, (paid Nov. 12. 1796, but being over-looked was omitted to be entered in its proper place,)	3 "	25
May 12.	Casper Wistar, junior's, - - - - -	2 "	
June 22.	James Taylor's, - - - - -	1	50
June 29. 1798.	Joshua Percival's, - - - - -	"	50
Jan. 3. 1799.	Thomas Horsfield's, - - - - -	"	25
March 25. 1801.	Thomas C. James's, - - - - -	"	37 1/2
Novem. 8. 1802.	William L. Biddle's, - - - - -		12 1/2
Septem. 6. 1803.	Joseph Clay's, - - - - -	10	13 1/2
7.	Joseph Clay's, - - - - -	"	67
Decem. 24.	William Barnwell's, - - - - -	"	12 1/2
Jan. 23. 1804.	James Gray's, - - - - -	"	12 1/2
Feb. 28.	Thomas Smith's, - - - - -	"	12 1/2
		<i>\$</i> 16	18

*Received 9 May 1805. of Zachariah Polson.
Sixteen dollars, Eighteen Cents, in full for
fines he collected on books, agreeably to the
Account above stated.*

\$ 16. 18

SAWCOATES, Treasurer



Fines received for the detention of Books beyond the time allowed
by the Rules of the Trustees of the Logonian Library.

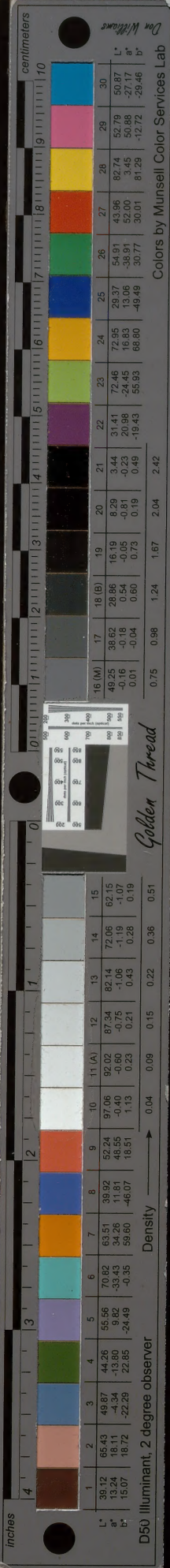
Decem. 26. 1805.	On John Watts's Note, -----	\$	1	75
March 15. 1806.	Caspar Wistar, junior's, -----		1	25
		\$	3	"

Received 16 May 1806. of Zachariah
Polson, three dollars, being fines he collected for
books lent from the Logan Library, which were
detained beyond the time allowed by the Trustees

for the Logonian Library.

SAMUEL COATES, Jr

\$3



Fines received for the detention of Books beyond
the time allowed by the Rules of the Trustees of the ^{Logan} Library

May 16	1806	On Matthew Carys note	\$ 1. 10.
" 21	"	On John Cooke's	12.
Nov 13	"	Joseph Clays'	16. 10
" 1807	"	Mahlon Dickersons	8 29
January 27	"	James Musgrave's	" 12.
April 10	"	James B. Raynolds	" 37.
			\$ 26 11 1/2

Received 15 may 1807 of George Campbell,
Twenty six Dollars & 11 1/2 Cents in full for
the above fines
\$ 26. 11 1/2
J. W. Coates, Jr.

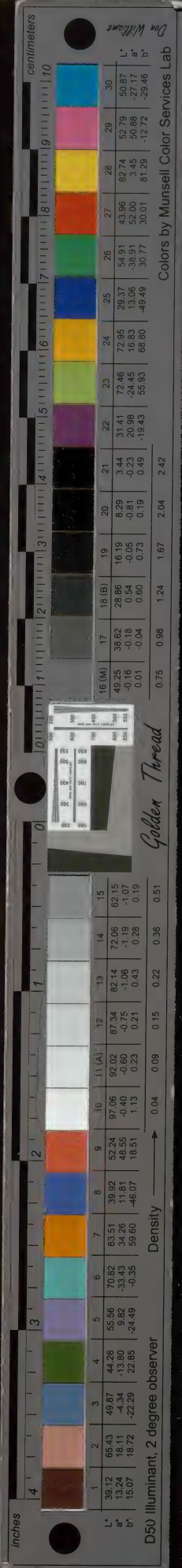
Catalogues presented by order of Committee

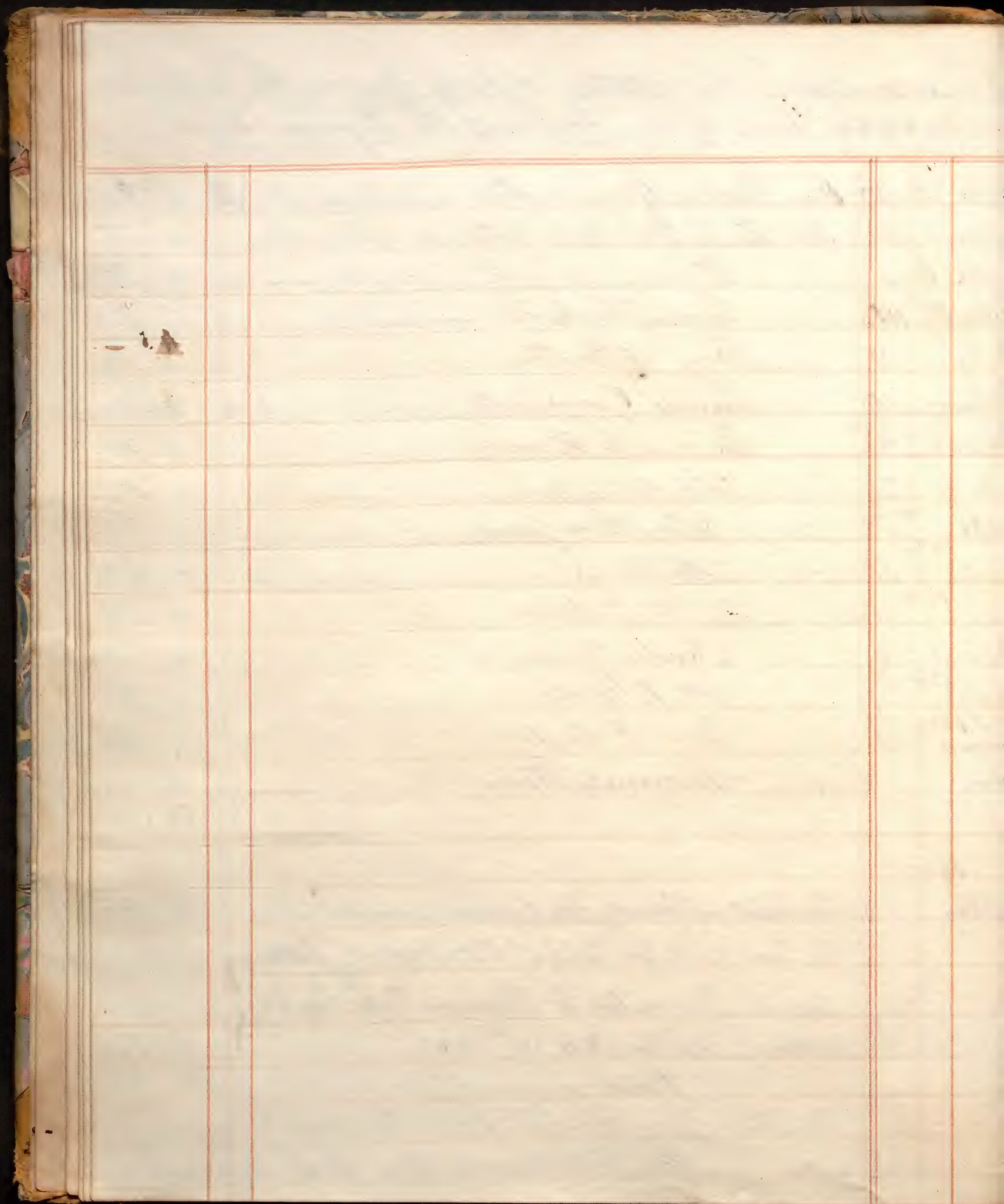
174 174 174

Fines received for the detention of books beyond the time allowed by the Rules of the Trustees of the Loganian Library -

June 22	1807	On James Greys note	\$	62 1/2
" 1	1810	On H. S. Drinkers note	"	75
July 6	"	Do	"	25
February	1812	Samuel Jacksons	"	124
July 13	"	Bey S. Bartons	2	"
January	1815	James Greys note	5	"
March	1818	Thomas T. Hewsons	"	50
July 24	"	John Musgraves	"	124
Aug. 23	1820	John Musgrave	"	25
July 11	"	Adipoy	"	25
Jan. 11	1823	R. U. Hobson	"	124
Decent 9	"	Charles Yarnalls	"	25
May 27	1824	Wm B Woods	"	25
August 21	1827	Jos. P. Engles	"	25
Dec.	"	Samuel Stans	5	"
			5	15. 75

1829
 May 1 To amt of fines & supra - 15 75
 By Cash paid for copy of Catalogues of Library
 sent - presented to Thomas Ross Esq by
 order of Trustees Nov 12th 1807 3 37 1/2
 Balance \$ 12. 37 1/2
 Received from Geo Campbell the above balance in full
 for Tho Morris. Recd. M. A. Morris





Catalogue account.

1806
May.

Received from L. Paulson this
number of Catalogues vol 1st 392

1829
May

This number on hand. 362
one deposited with Treasr. 1 363 —
24

Presented by Committee - 16
Sold at 75 cents 13
29

May 14 1829 Received from George
Campbell Nine dollar Seventy five
cents being sale of thirteen catalogues
of Loganian Library at seventy five
cents each for H. Morris Treasr
\$9.75- A. J. Morris



1829 June 1st Received from George Campbell late Librarian Three hundred and Sixty Catalogues of The Logansian Library vol 1st No 360
 also Two dollars and twenty five cents for three sold by him since last settlement with the Treasurer 3

No on hand per infra 363

John Smith Jr

No - 360

amt due \$2.25.

June 1st 1829 Received from George Campbell late Librarian the following Deposits in the Logansian Library - v.

William Barnwell -	\$5
Francis Roloff -	5
John Mungrove (check)	5
Dan. B. Smiths check	10
Ch. D. Meigs -	5
R. D. Drake -	5
Wm. J. Dwight -	5

John Smith Jr

1829
May

Catalogues with Supt.

199

do

34

do

10

243

do without —

270

513

Presented to R. Baskay of London for
Committee

sold by Gb

1

16

17

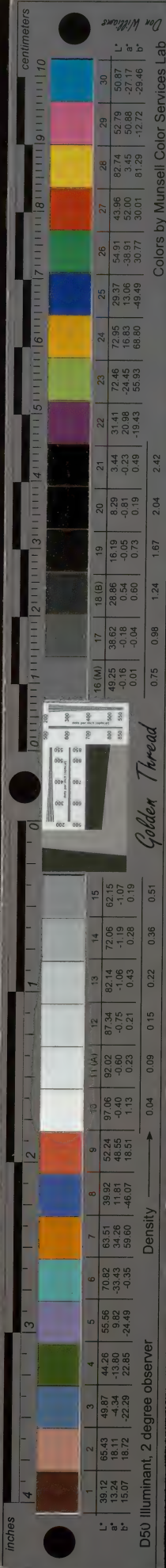
496

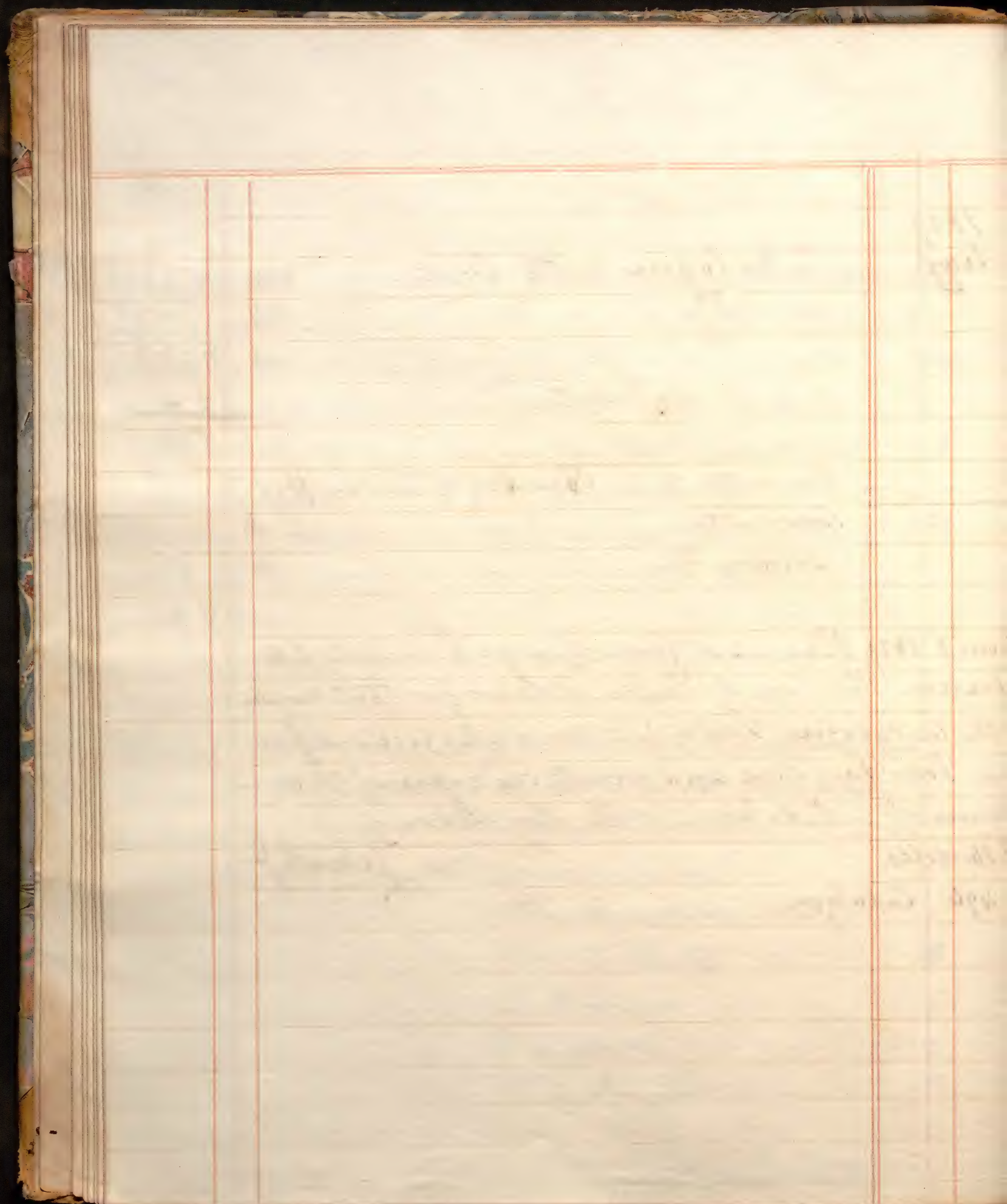
June 1. 1829 Received from George Campbell late
Librarian the sum of Sixteen dollars for that number
of the Catalogues sold by him and also received from
him Four hundred and ninety six copies of the second
volume of the Catalogue of the Log. Library

\$16. dollars

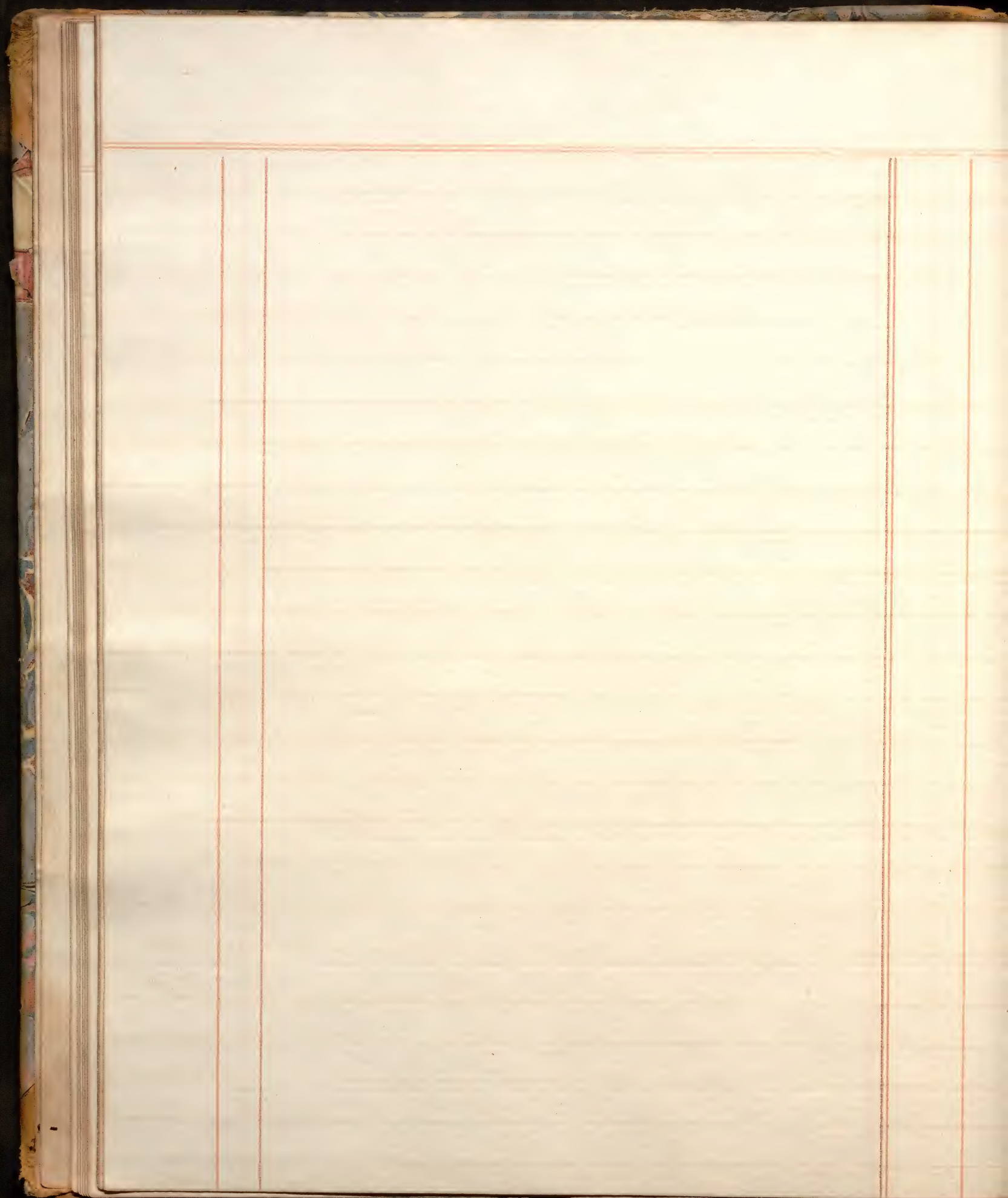
Geo. J. Smith

No 496. Catalogues.

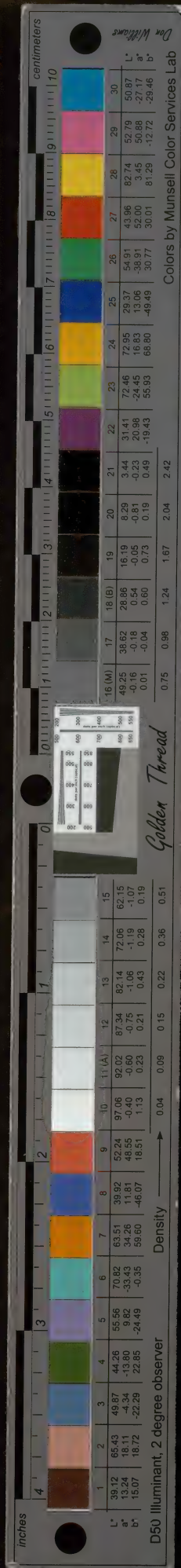


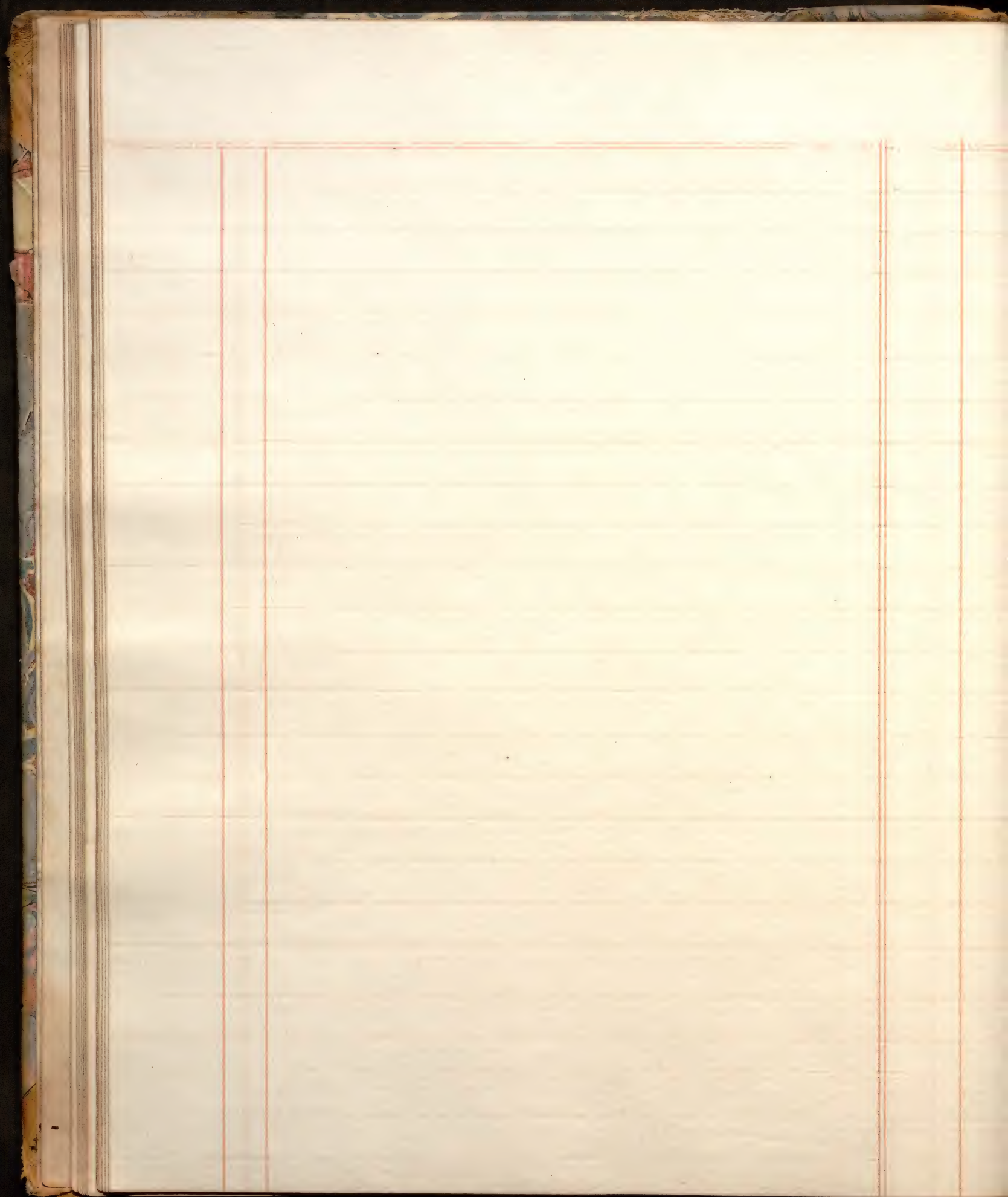
















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centimeters

0 1 2 3 4

0 1 2 3 4 5 6 7 8 9 10

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 72.95 29.37 54.91 43.96 82.74 52.79 50.87

-0.16 -0.18 0.54 -0.05 -0.81 -0.23 20.98 24.45 16.83 13.06 38.91 52.00 3.45 50.88 27.17

0.01 -0.04 0.60 0.73 0.19 0.49 -19.43 55.93 68.80 49.49 30.77 30.01 81.29 52.72 29.46

D50 Illuminant, 2 degree observer

Density

0.04 0.09 0.15 0.22 0.36 0.51

Golden Thread

Colors by Munsell Color Services Lab

Don Williams

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.24	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19





inches

centimeters

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0 1 2 3 4 5 6 7 8 9 10

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 72.95 29.37 54.91 43.96 82.74 52.79 50.87

-0.16 -0.18 0.54 -0.05 -0.81 -0.23 20.98 24.45 16.83 13.06 38.91 52.00 3.45 50.88 27.17

0.01 -0.04 0.60 0.73 0.19 0.49 -19.43 55.93 68.80 49.49 30.77 30.01 81.29 52.72 29.46

0.75 0.98 1.24 1.67 2.04 2.42

0.04 0.09 0.15 0.22 0.36 0.51

0.04 0.09 0.15 0.22 0.36 0.51

39.12 65.43 49.87 44.26 55.56 70.82 63.51 39.93 52.24 43.26 31.81 19.51 18.51

13.24 18.11 4.34 -13.80 9.82 33.43 -0.35 59.60 46.07 19.51 18.51

15.07 18.72 22.29 22.85 24.49

D50 Illuminant, 2 degree observer

Density

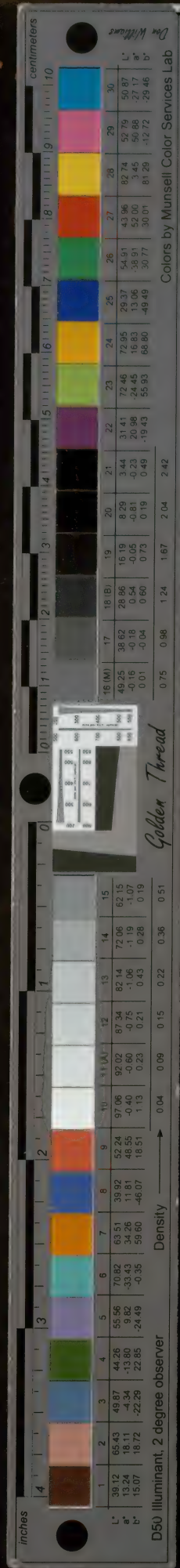
Golden Thread

Colors by Munsell Color Services Lab

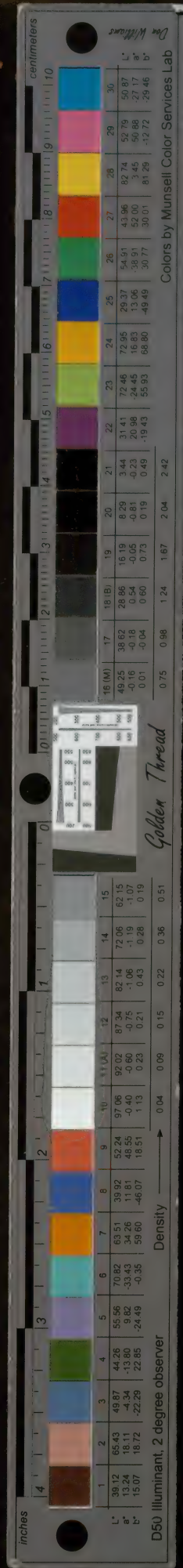
Don Williams

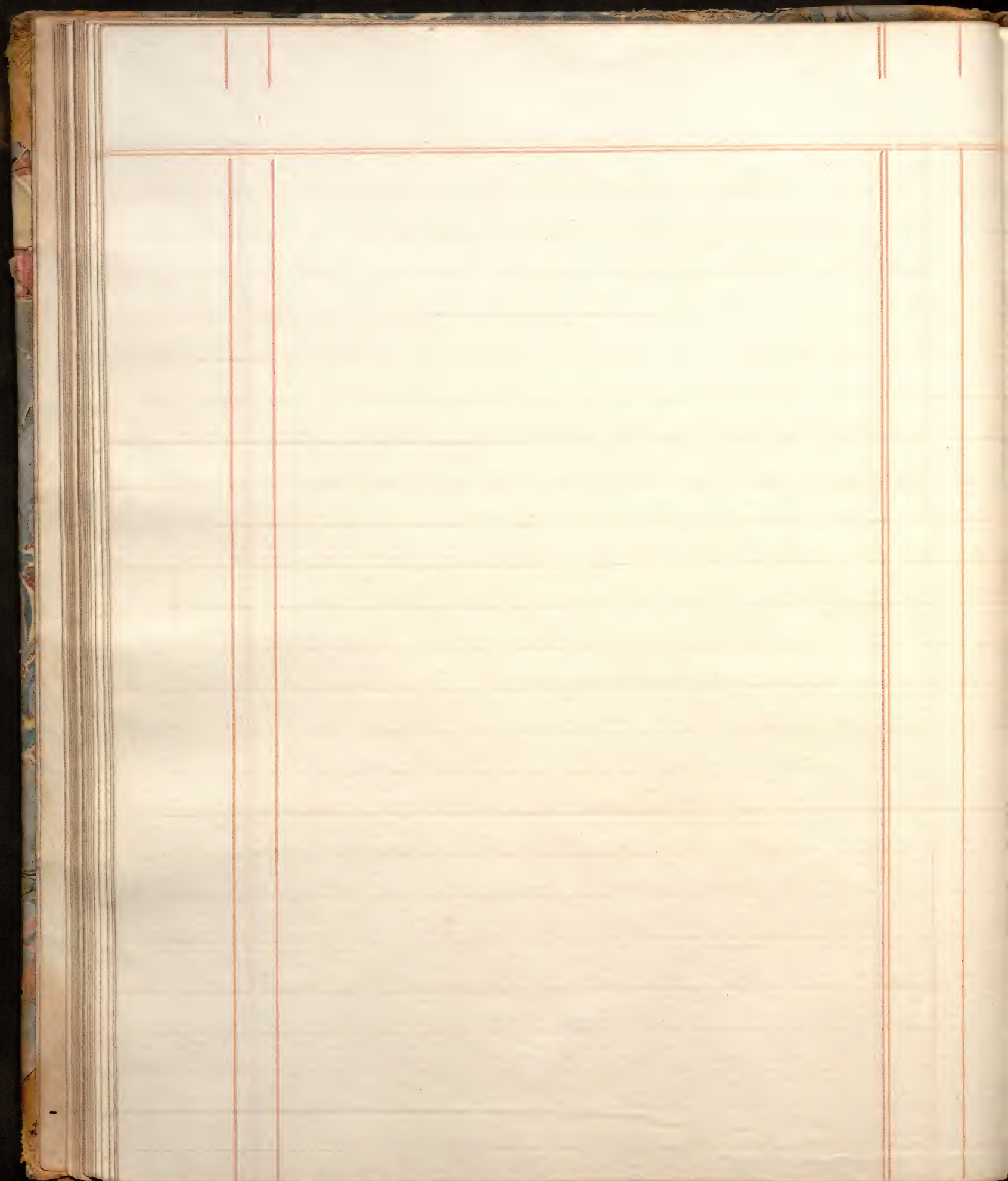
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.93	52.24	43.26	31.81	19.51	18.51	72.05	62.15
a*	13.24	18.11	4.34	-13.80	9.82	33.43	-0.35	59.60	46.07	19.51	18.51	13.06	38.91	52.00	3.45
b*	15.07	18.72	22.29	22.85	24.49	-0.35	59.60	46.07	19.51	18.51	13.06	38.91	52.00	3.45	50.88



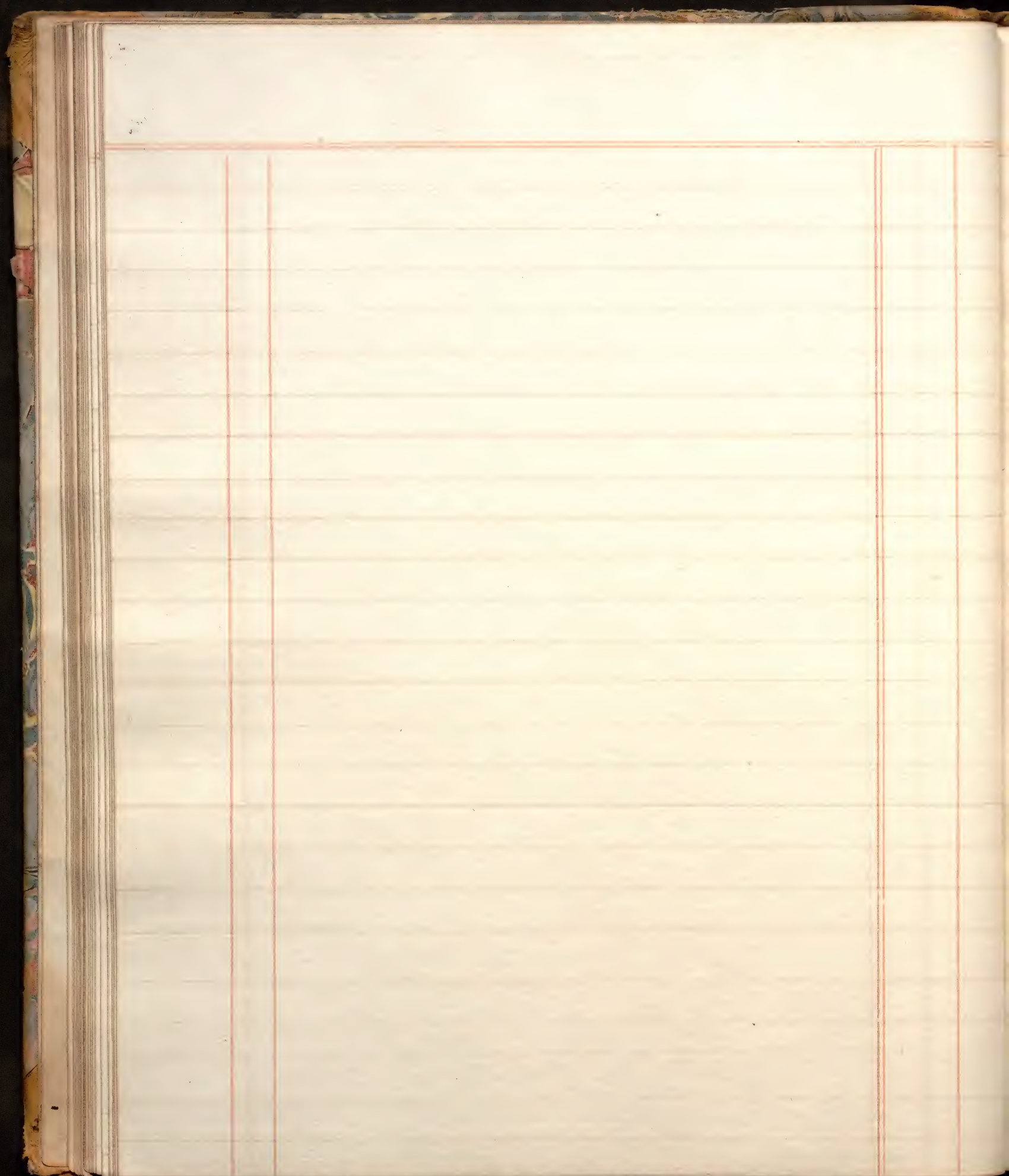


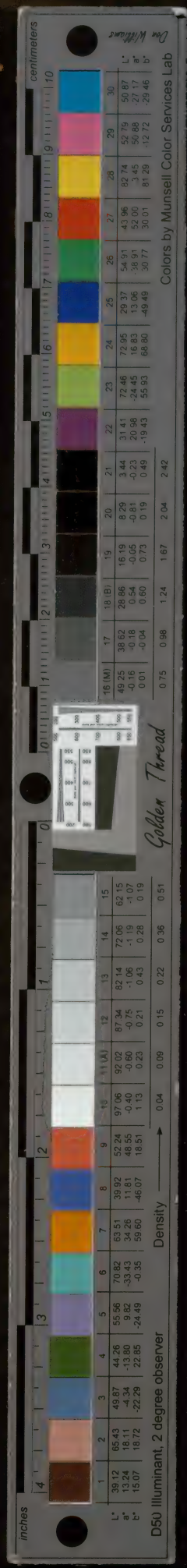


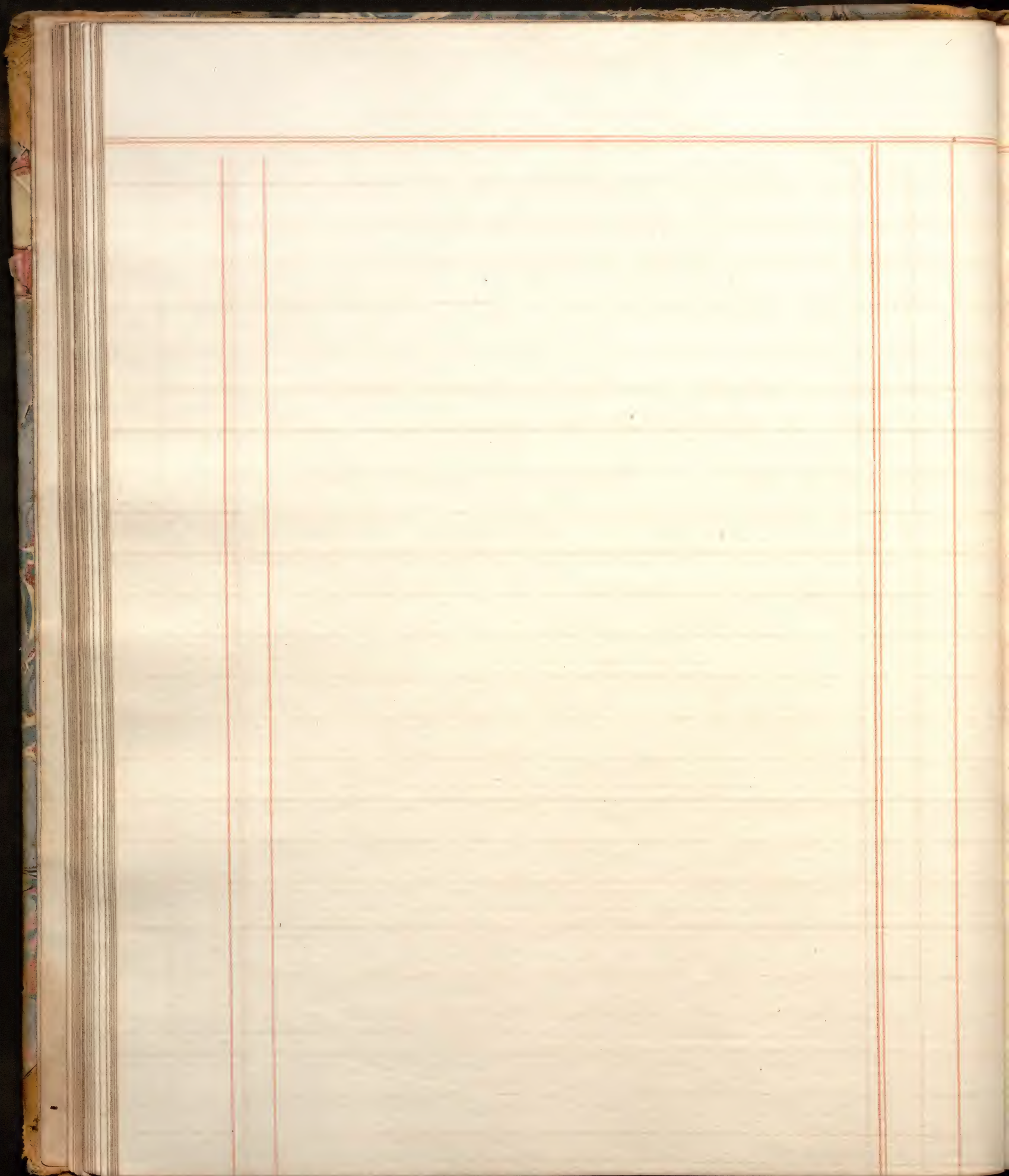














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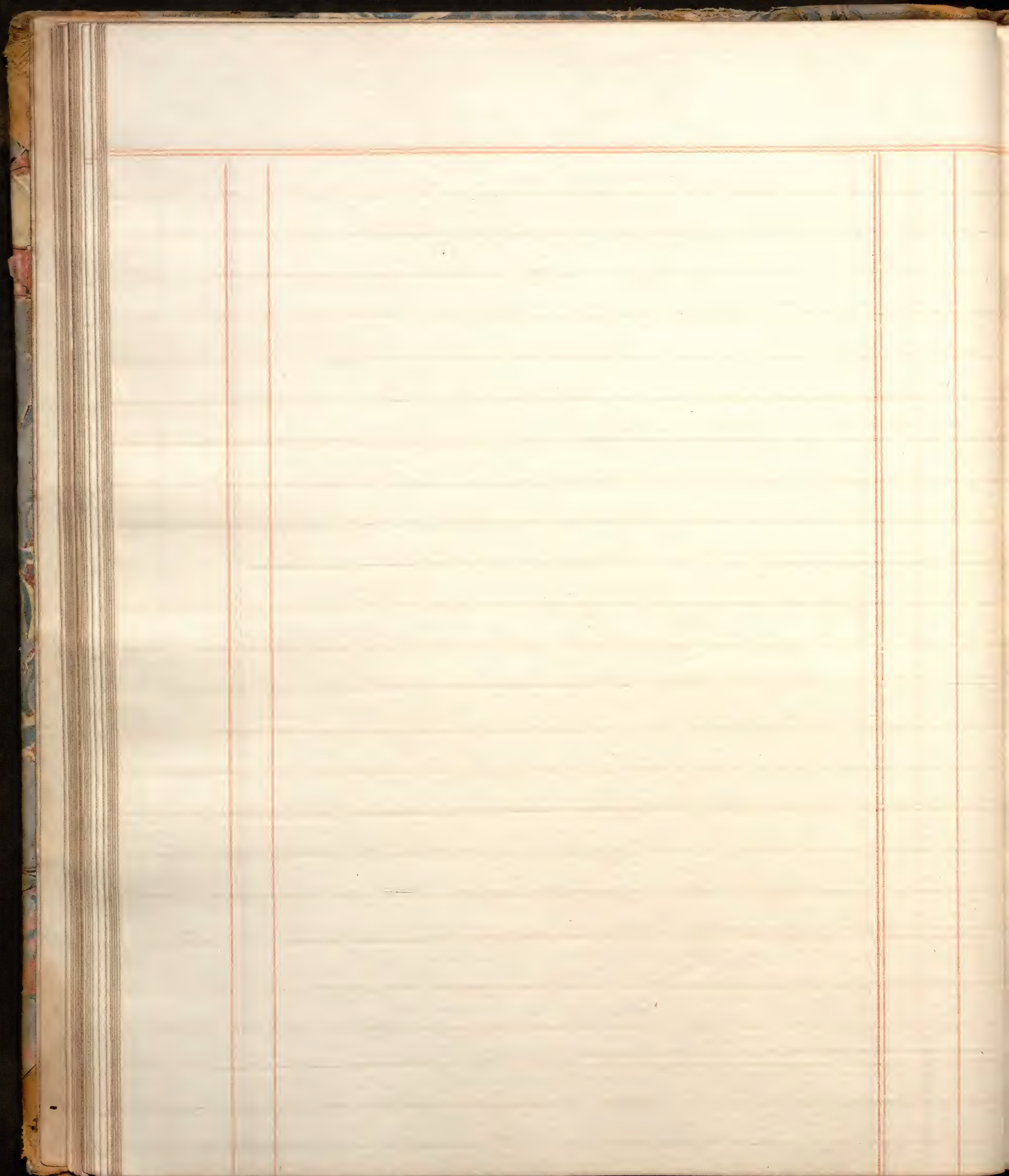
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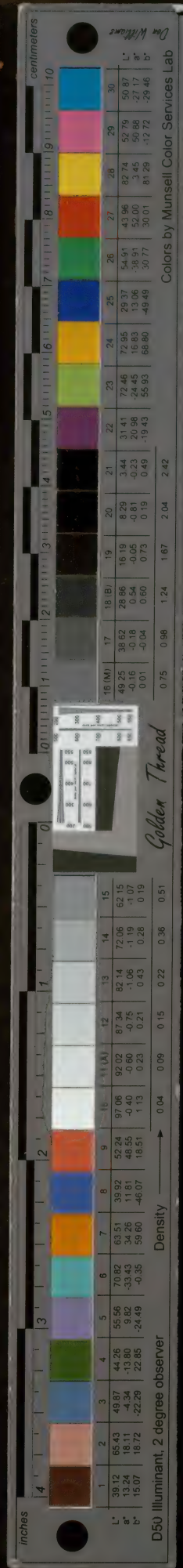
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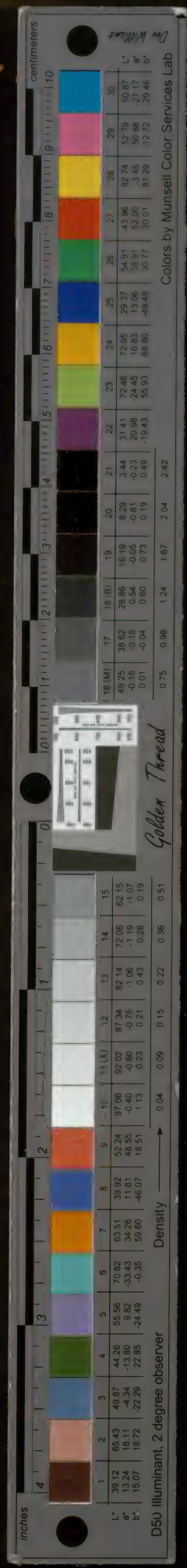
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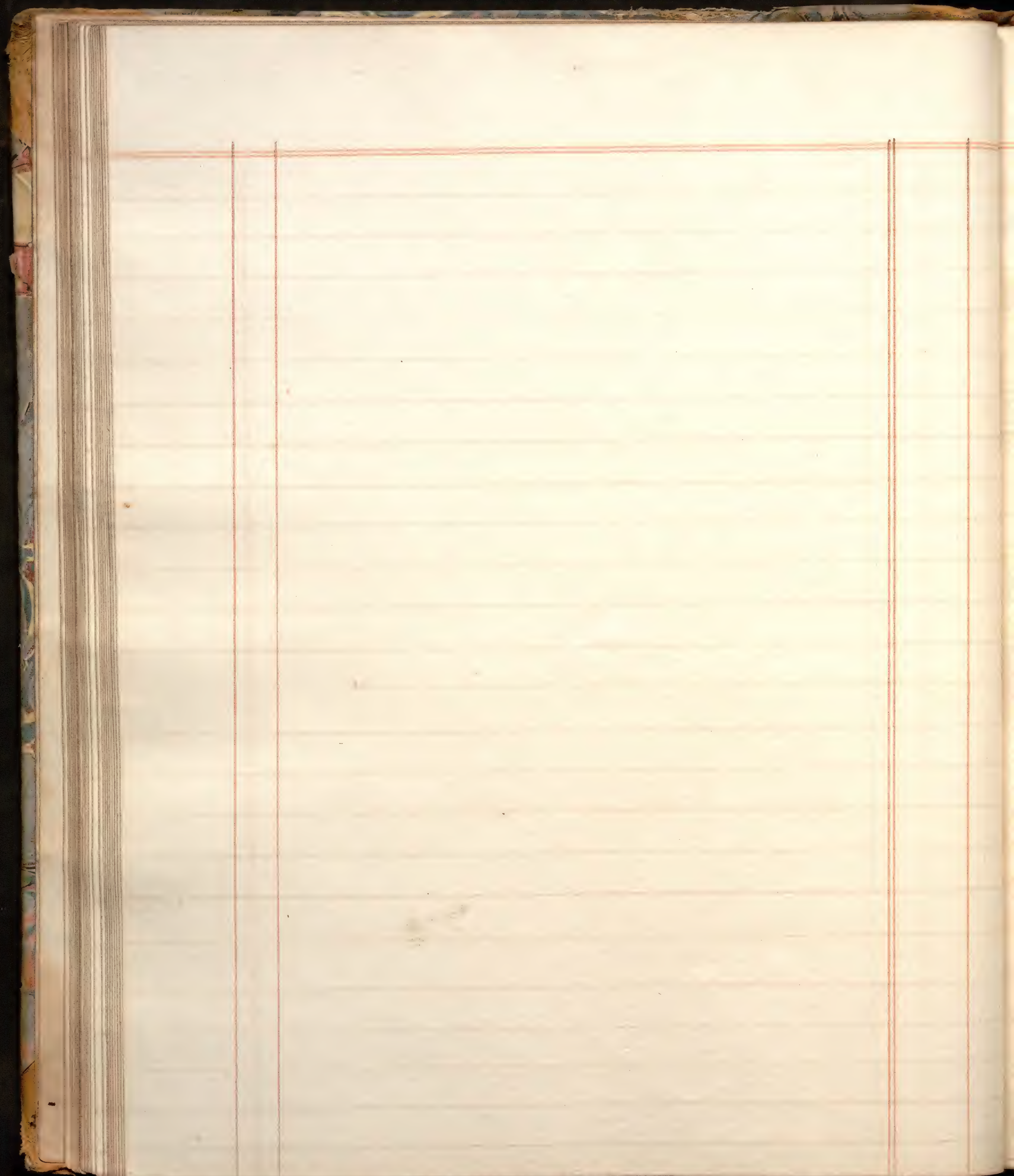














inches

centimeters

0 1 2 3 4

0 1 2 3 4 5 6 7 8 9 10

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 72.95 29.37 54.91 43.96 82.74 52.79 50.87

-0.16 -0.18 0.54 -0.05 -0.81 -0.23 20.98 24.45 16.83 13.06 38.91 52.00 3.45 56.88 27.17

0.01 -0.04 0.60 0.73 0.19 0.49 -19.43 55.93 68.80 49.49 30.77 30.01 81.29 12.72 29.46

0.75 0.98 1.24 1.67 2.04 2.42

D50 Illuminant, 2 degree observer

Density

0.04 0.09 0.15 0.22 0.36 0.51

1 2 3 4 5 6 7 8 9 10 11 (B) 12 13 14 15

39.12 65.43 49.87 44.26 55.56 70.82 63.51 39.92 52.24 97.06 92.02 87.34 82.14 72.06 62.15

13.24 18.11 18.11 4.34 13.80 9.82 33.43 34.26 19.53 1.13 0.23 0.21 0.43 0.28 0.19

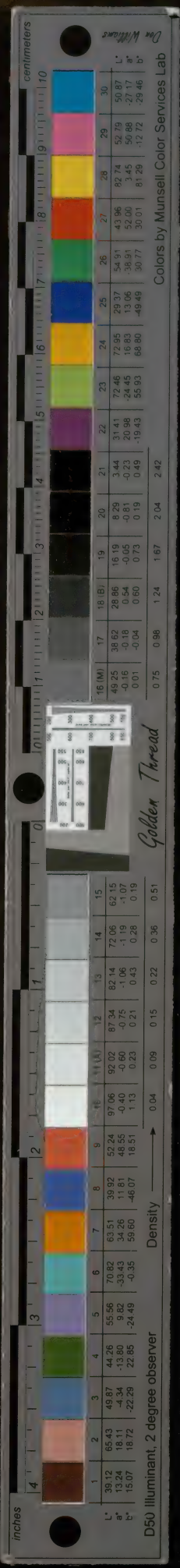
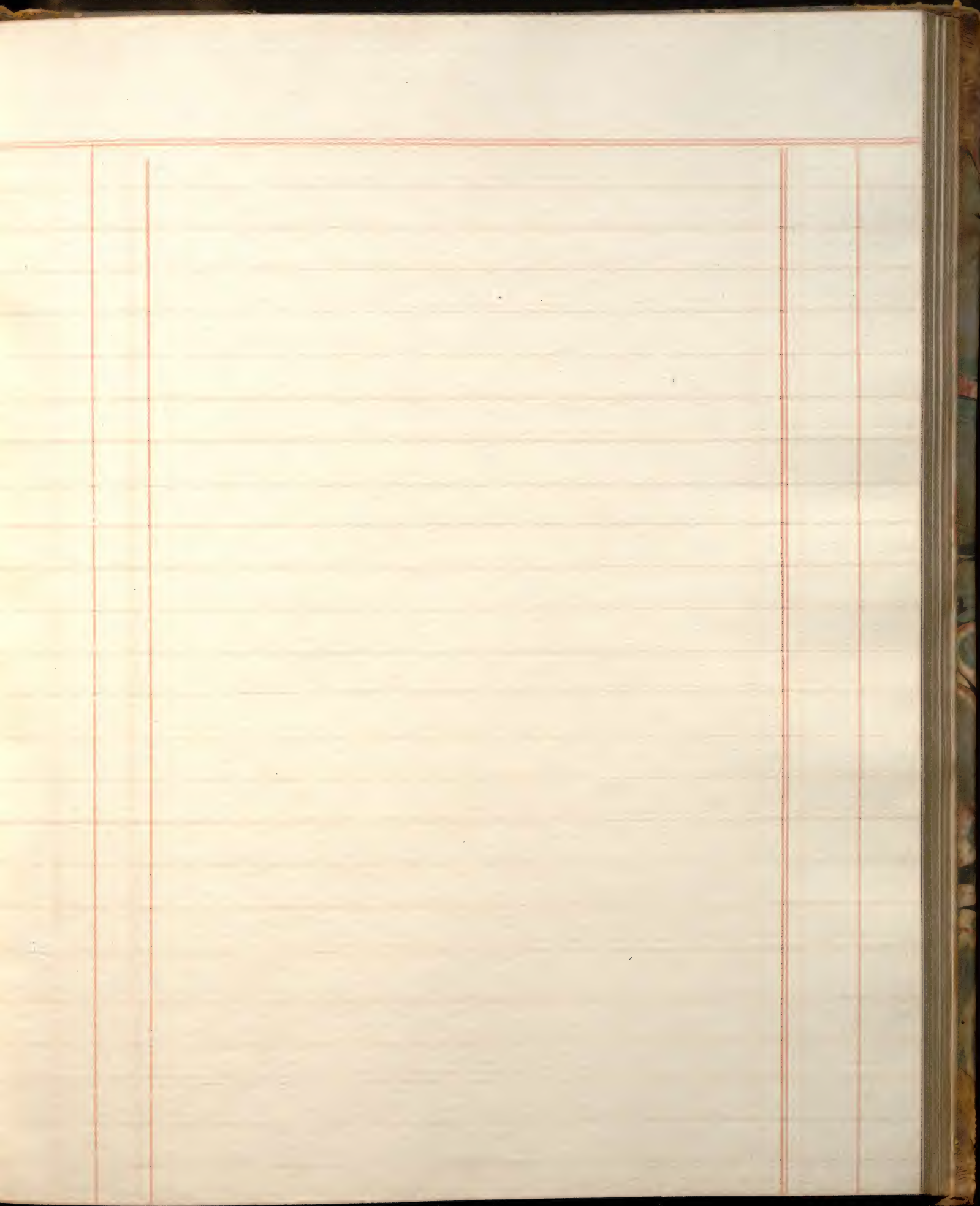
15.07 18.72 22.29 22.85 24.49 24.35 59.60 46.07 19.53 1.13 0.23 0.21 0.43 0.28 0.19

Golden Thread

Colors by Munsell Color Services Lab

Don Williams









inches

centimeters

0 1 2 3 4

0 1 2 3 4 5 6 7 8 9 10

16(M) 17 18(B) 19 20 21 22 23 24 25 26 27 28 29 30

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-9.62	-33.43	-24.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-18.72	-22.29	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

Golden Thread

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	55.93	27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	29.46

Colors by Munsell Color Services Lab





inches

centimeters

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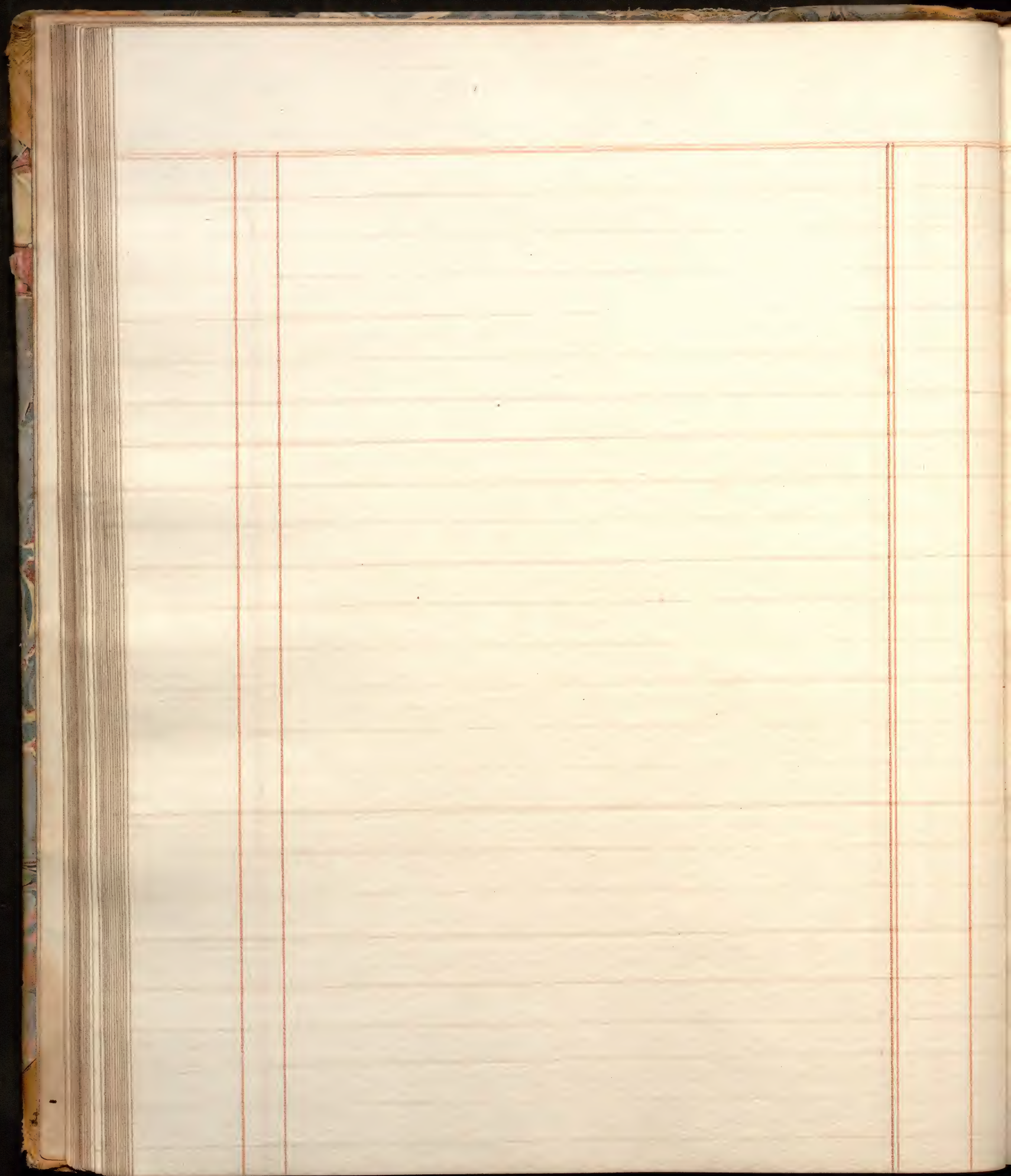
1476

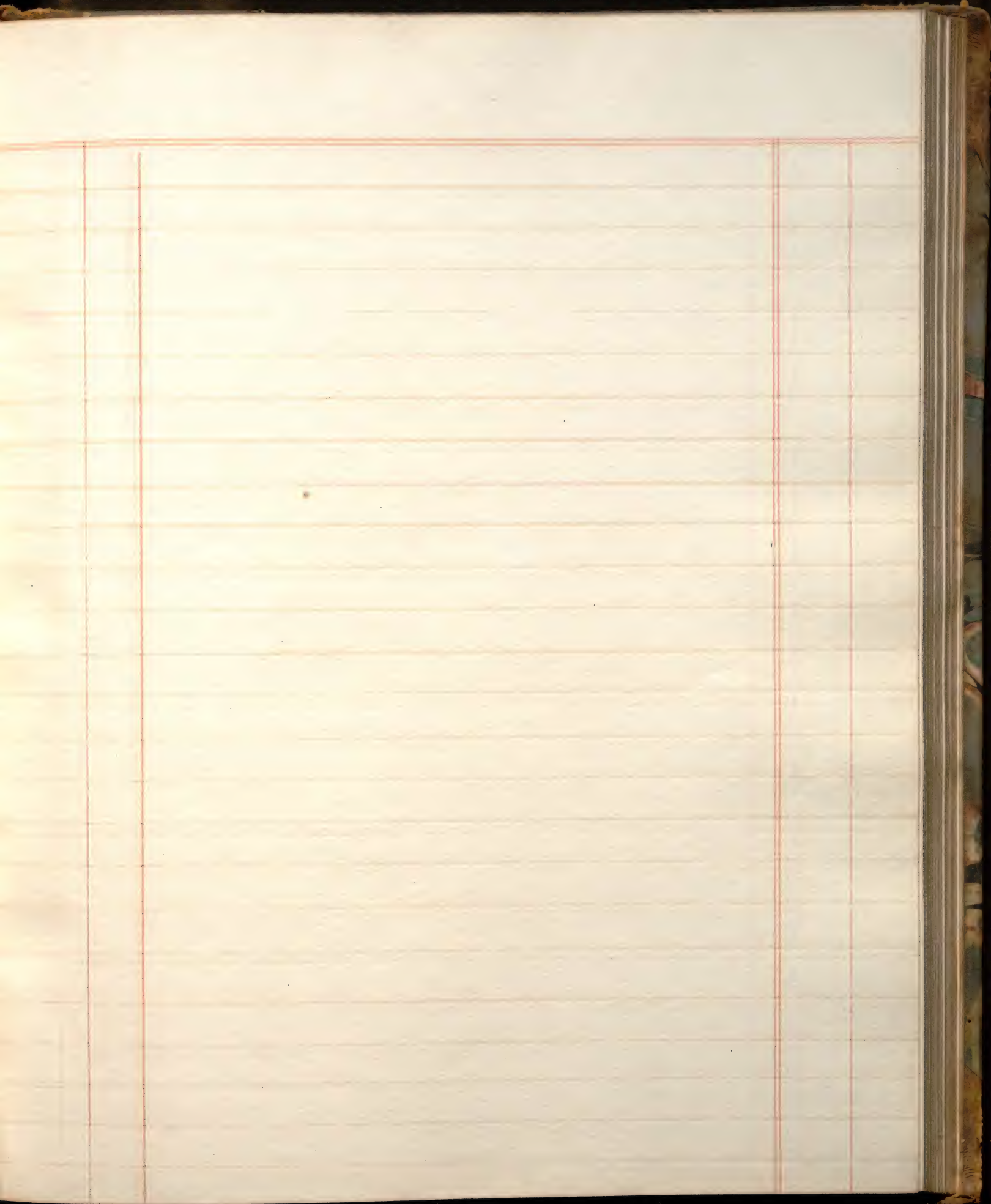
1477

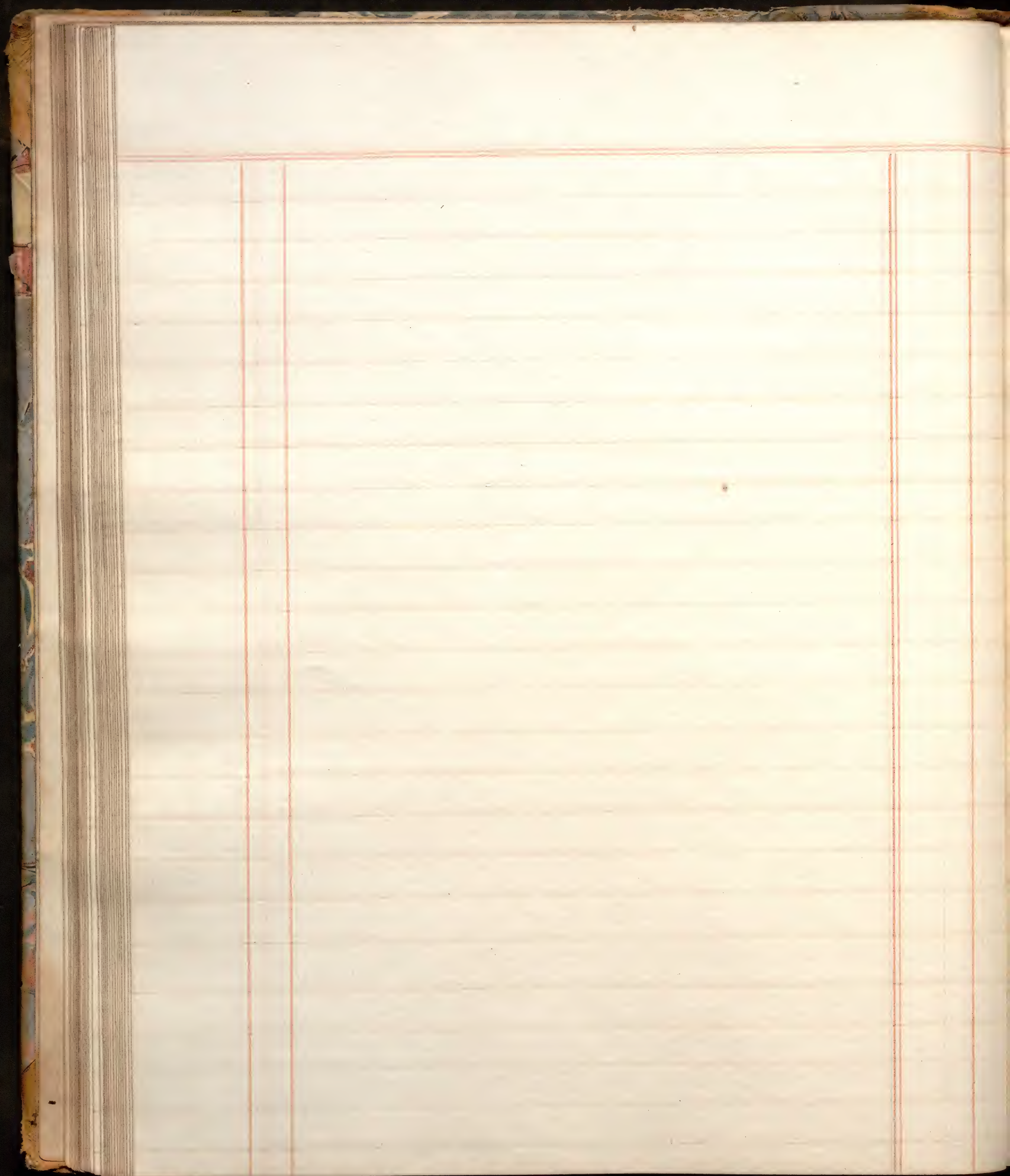
1478

1479

1480









inches

centimeters

Colors by Munsell Color Services Lab

Golden Thread

DSO Illuminant, 2 degree observer

Density

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-9.47	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

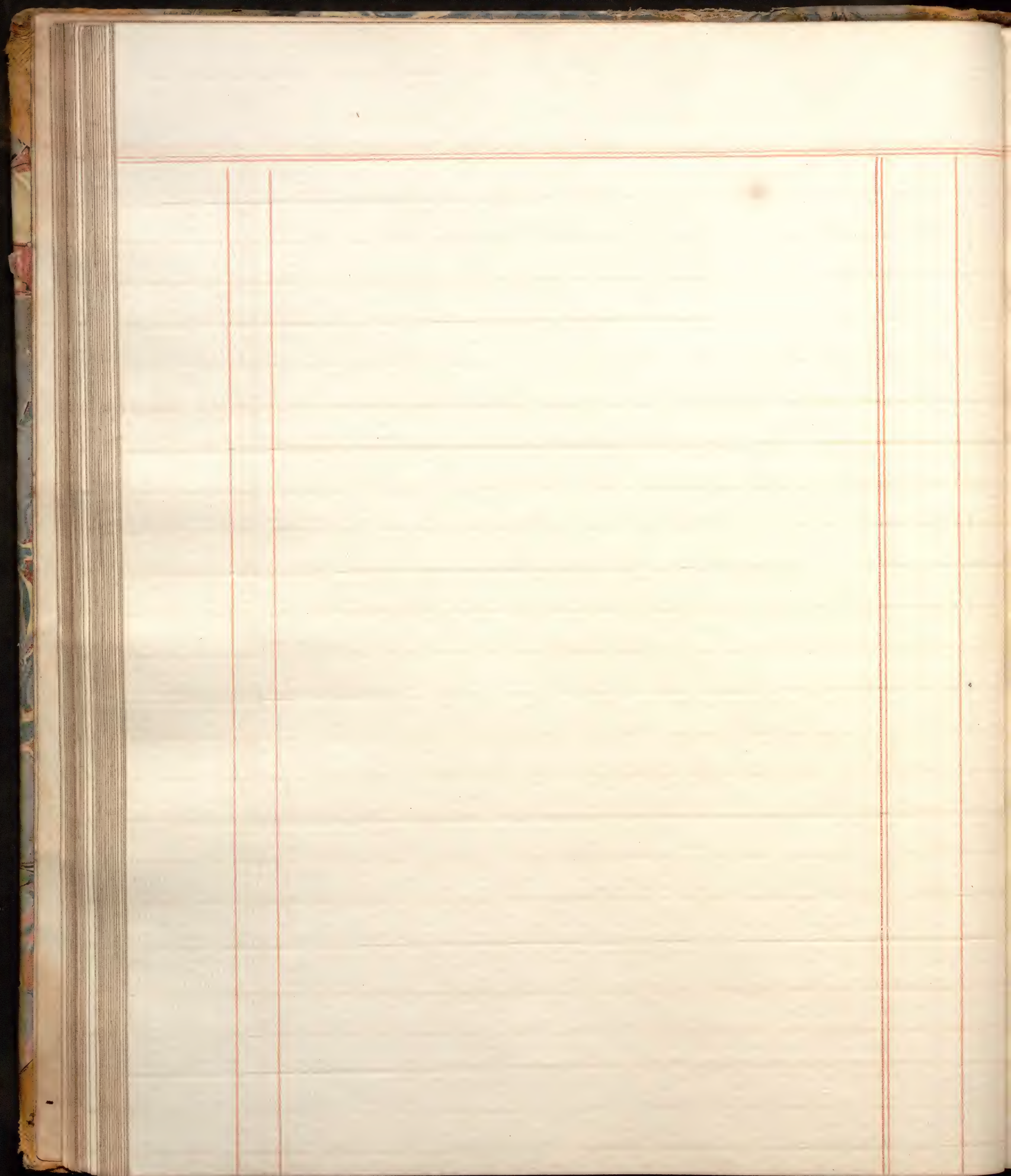
	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

DSO Illuminant, 2 degree observer

Density

Golden Thread

Colors by Munsell Color Services Lab





inches 4 3 2 1 0 1 2 3 4 centimeters 10 9 8 7 6 5 4 3 2 1 0

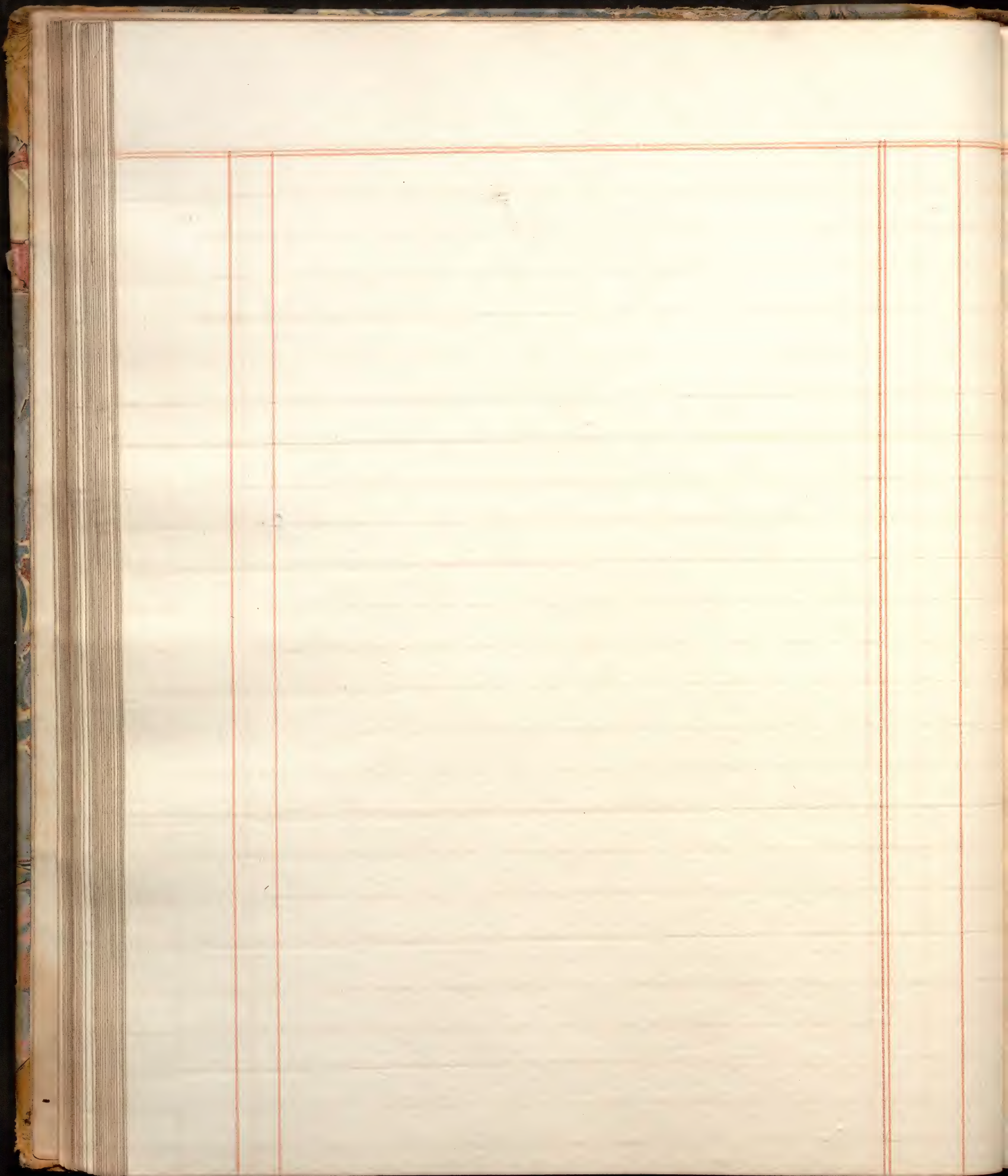
Golden Thread

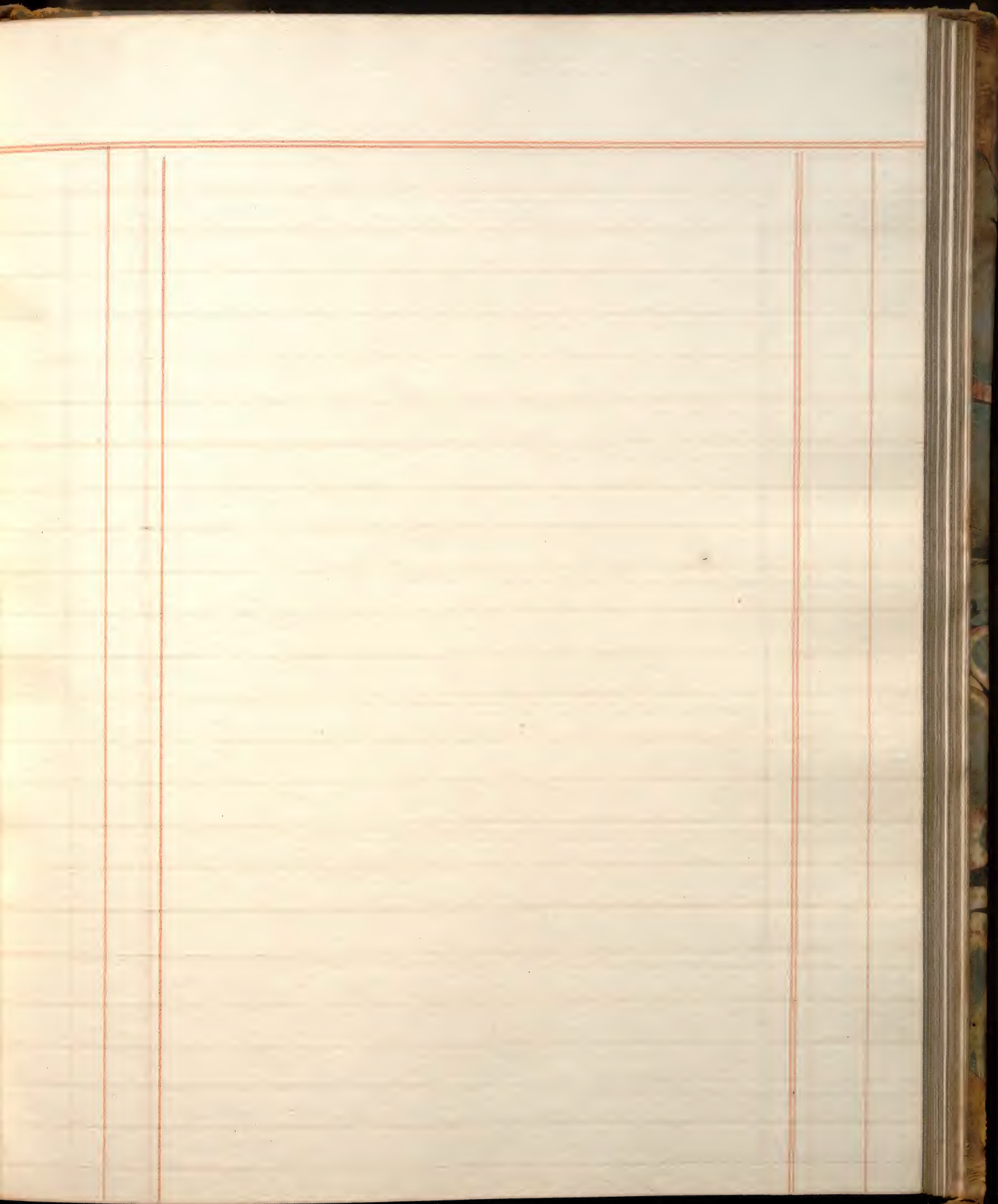
D50 Illuminant, 2 degree observer

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15	
a*	13.24	18.11	-4.34	-13.80	9.62	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.45	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15	
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

Colors by Munsell Color Services Lab

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	-0.54	-0.05	-0.61	-0.23	20.98	24.45	16.83	13.06	-38.91	52.00	3.45	50.88	27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	29.46





centimeters

10 9 8 7 6 5 4 3 2 1 0

inches

4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

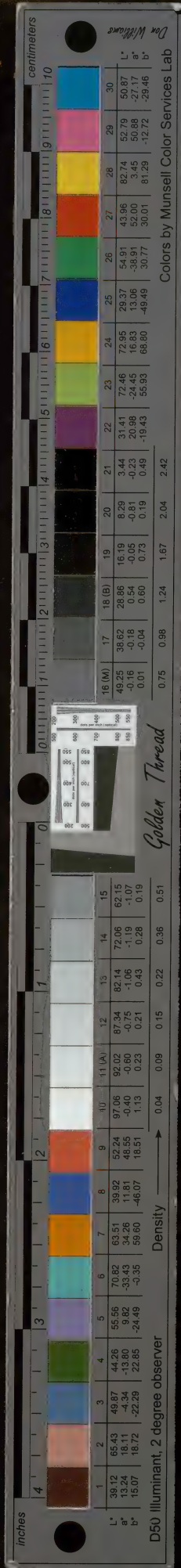
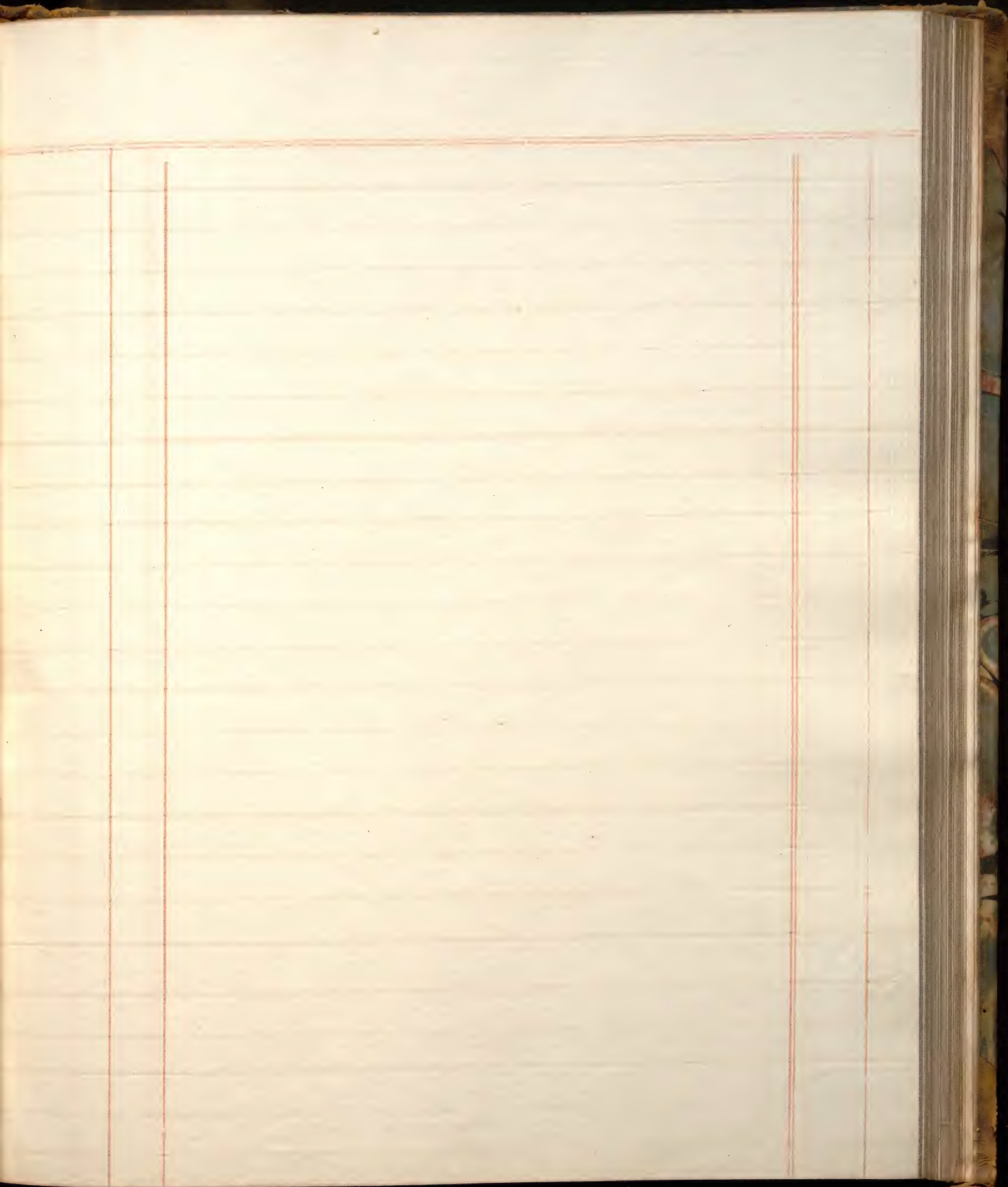
Density

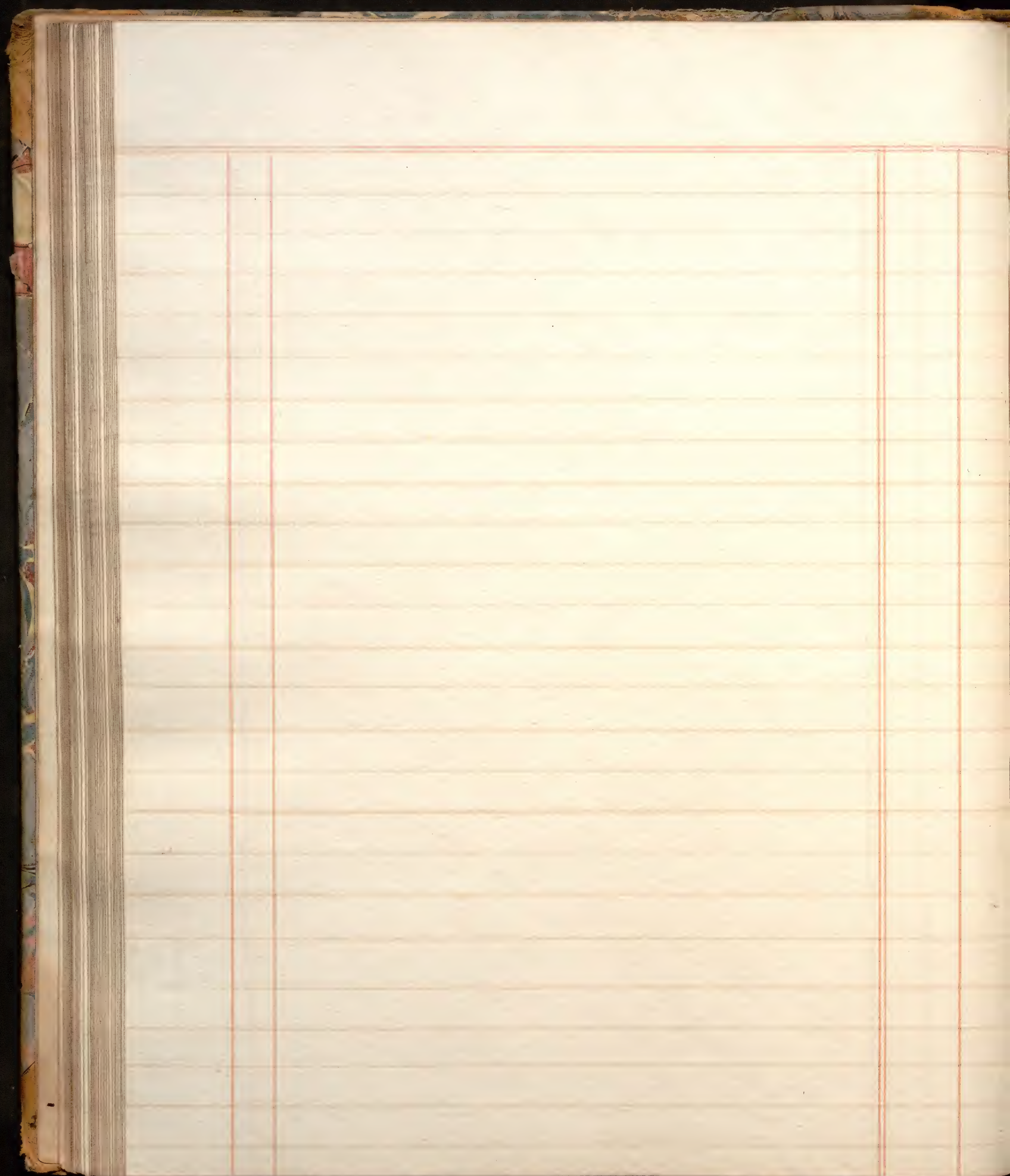
Colors by Munsell Color Services Lab

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-3.45	-1.28	1.06	-0.16	-0.18	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.81	1.13	0.23	0.21	0.43	0.28	0.19

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46











centimeters 10

inches 4 3 2 1 0

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

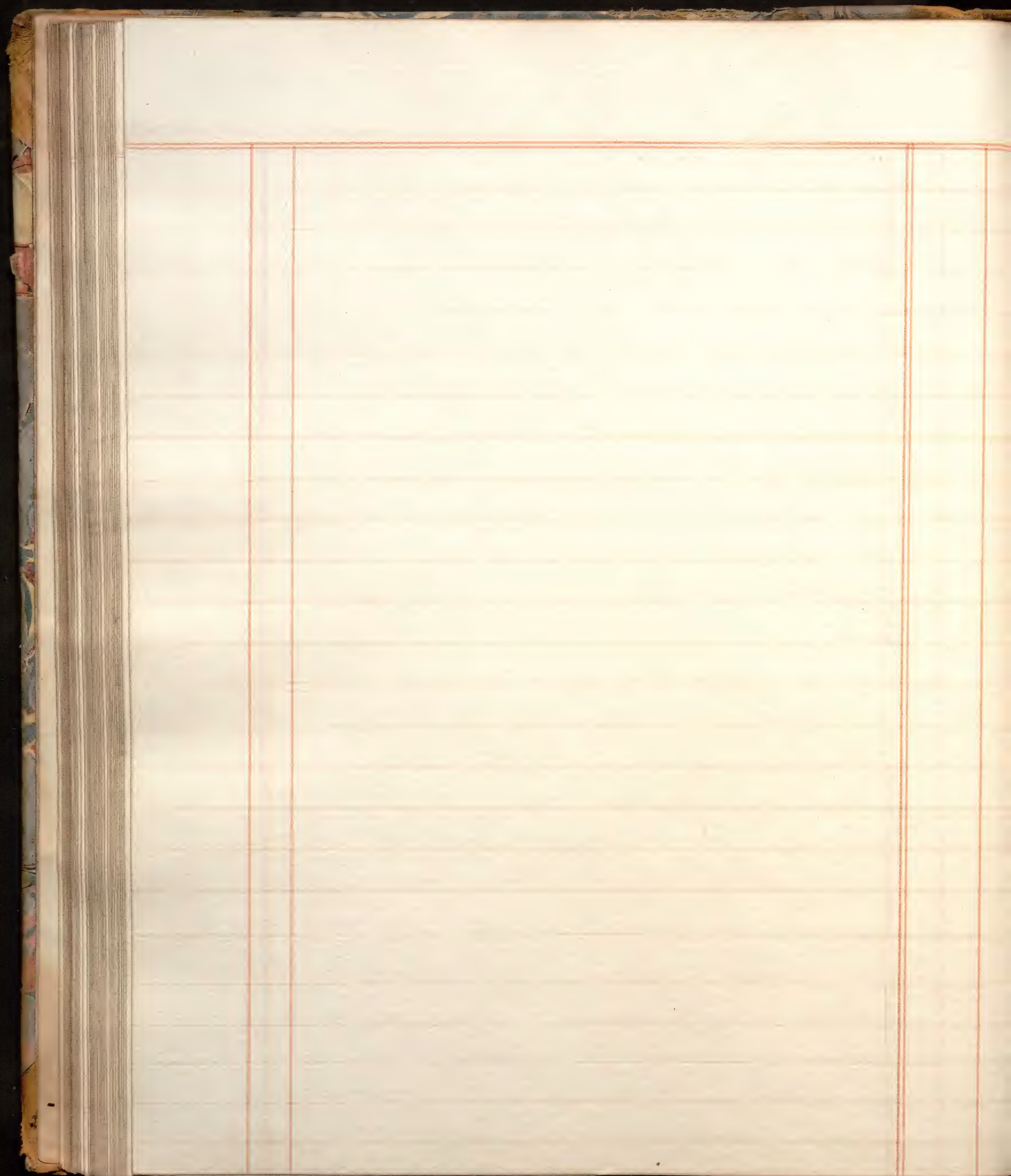
Density

Golden Thread

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-1.28	-31.41	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Van Williams





centimeters 10

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

Density

Colors by Munsell Color Services Lab

Don Williams

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-12.72	-38.91	-13.80	38.91	52.00	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





centimeters

inches

Don Williams

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

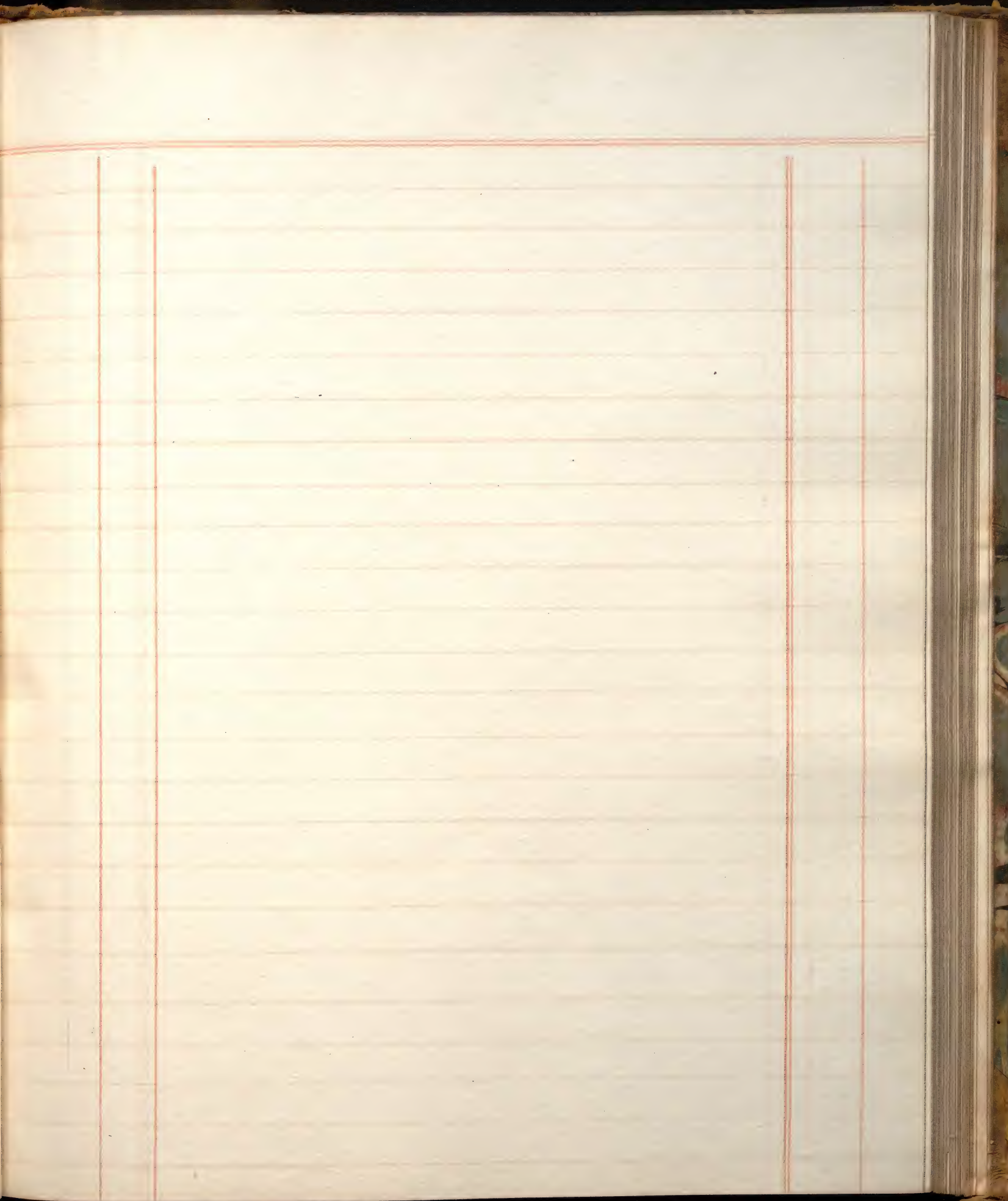
Density

Golden Thread

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	13.06	-1.10	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	-0.01	-0.04	-0.06	-0.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Don Williams

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	38.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

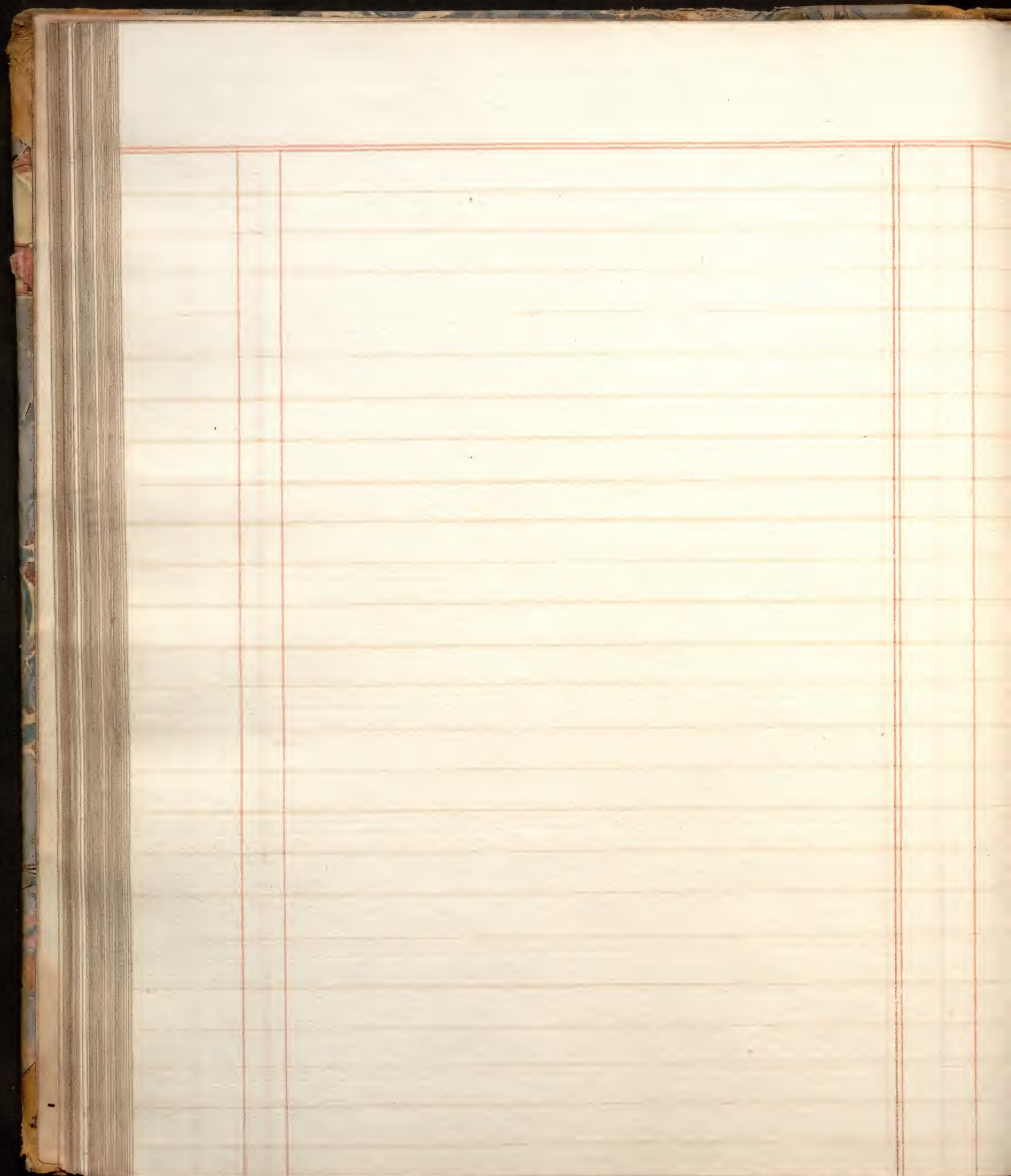
D50 Illuminant, 2 degree observer

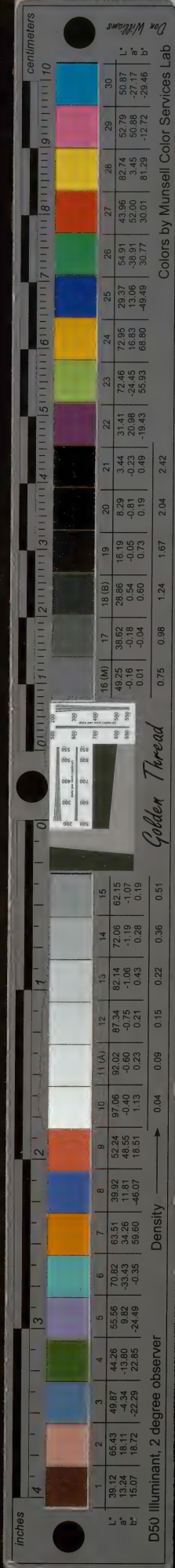
Density → 0.04 0.09 0.15 0.22 0.36 0.51

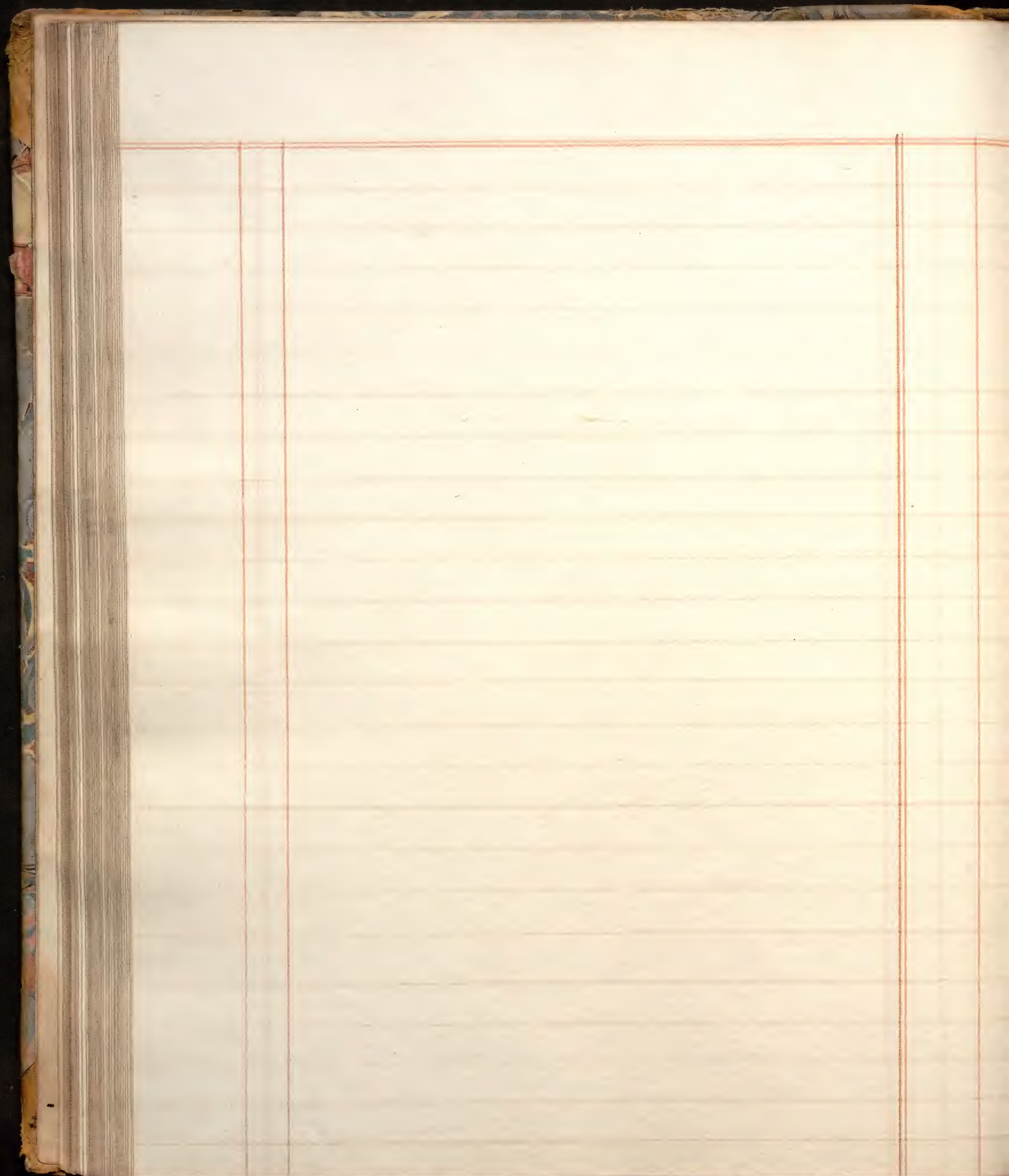
Golden Thread

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	81.29	-12.72	-29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Colors by Munsell Color Services Lab







inches 4 3 2 1 0

centimeters 10 9 8 7 6 5 4 3 2 1 0

1 2 3 4 5 6 7 8 9 10 11 (A) 12 13 14 15

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70

71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90

91 92 93 94 95 96 97 98 99 100

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

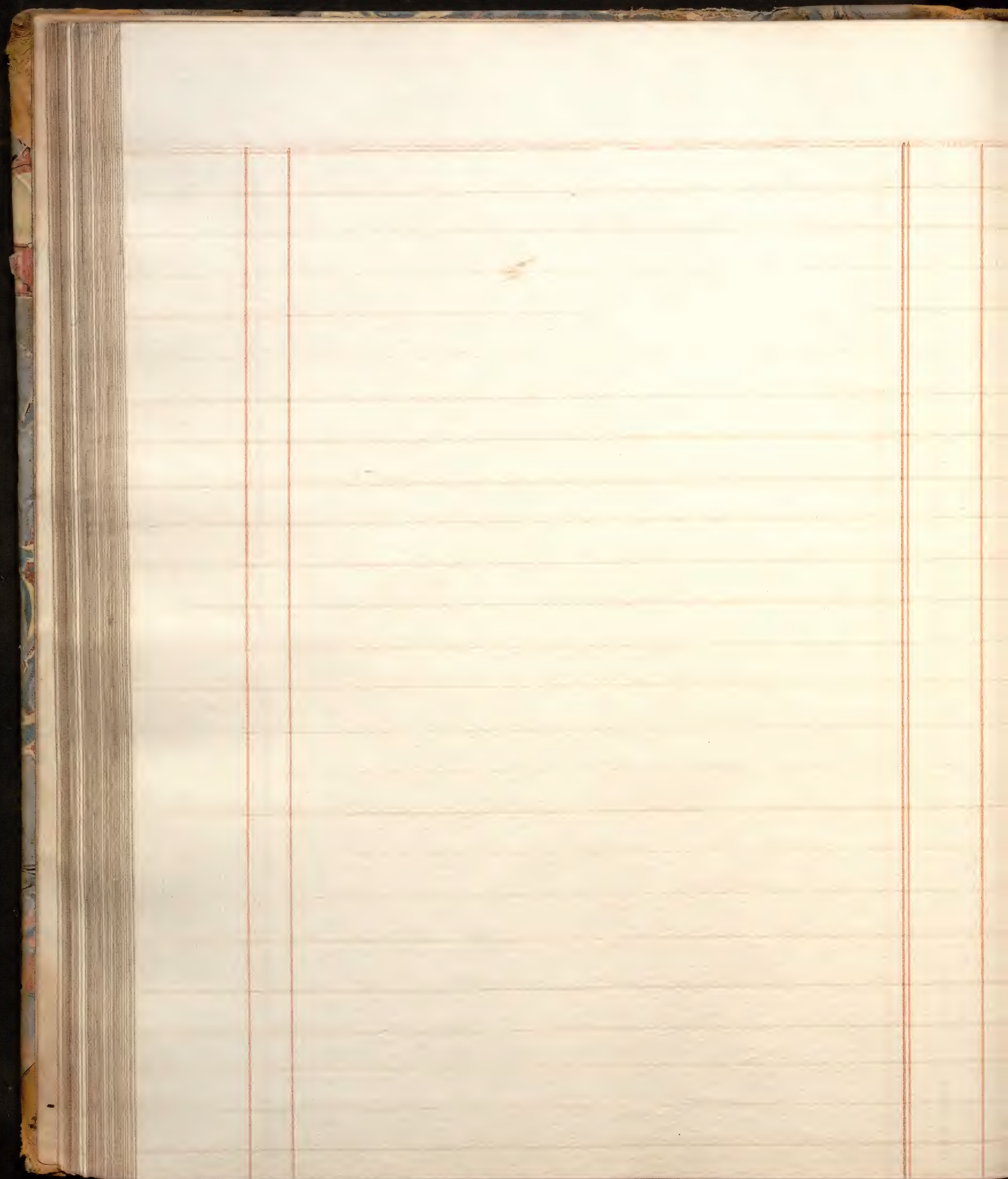
Golden Thread

Colors by Munsell Color Services Lab

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	-0.54	-0.05	-0.19	0.54	-0.45	-0.30	-0.20	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams





inches 4 3 2 1 0

centimeters 10 9 8 7 6 5 4 3 2 1 0

1 2 3 4 5 6 7 8 9 10 11(A) 12 13 14 15

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

16(M) 17 18(B) 19 20 21 22 23 24 25 26 27 28 29 30

L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

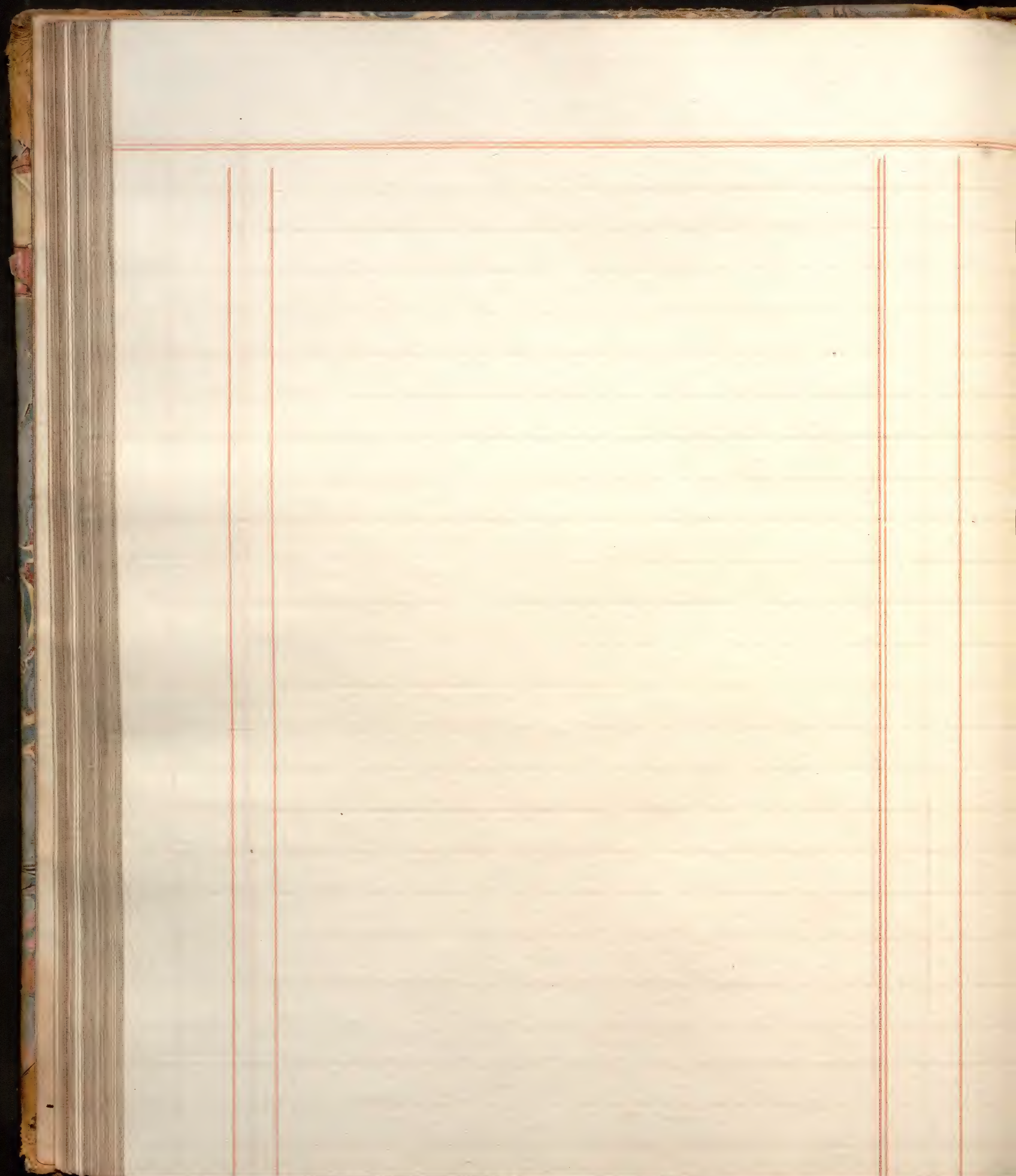
Colors by Munsell Color Services Lab

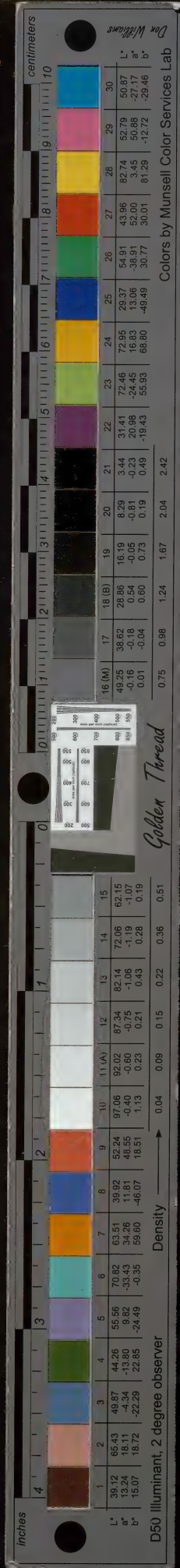
Golden Thread

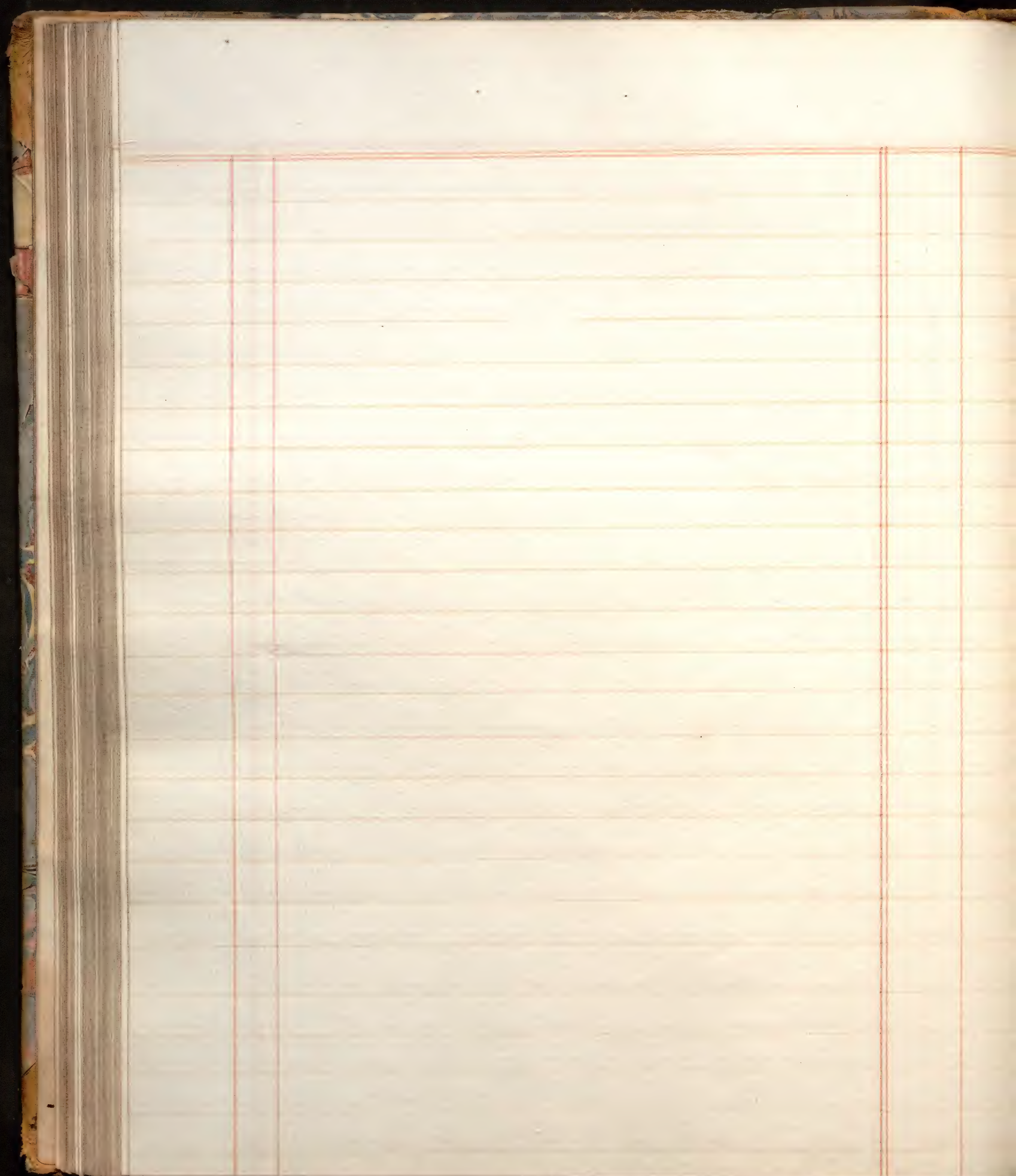
Don Williams

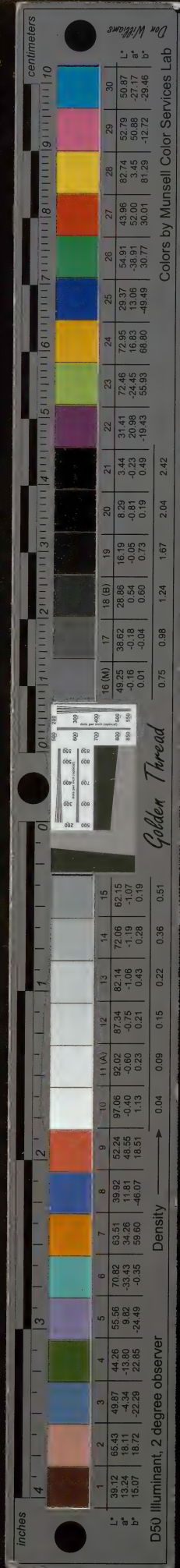
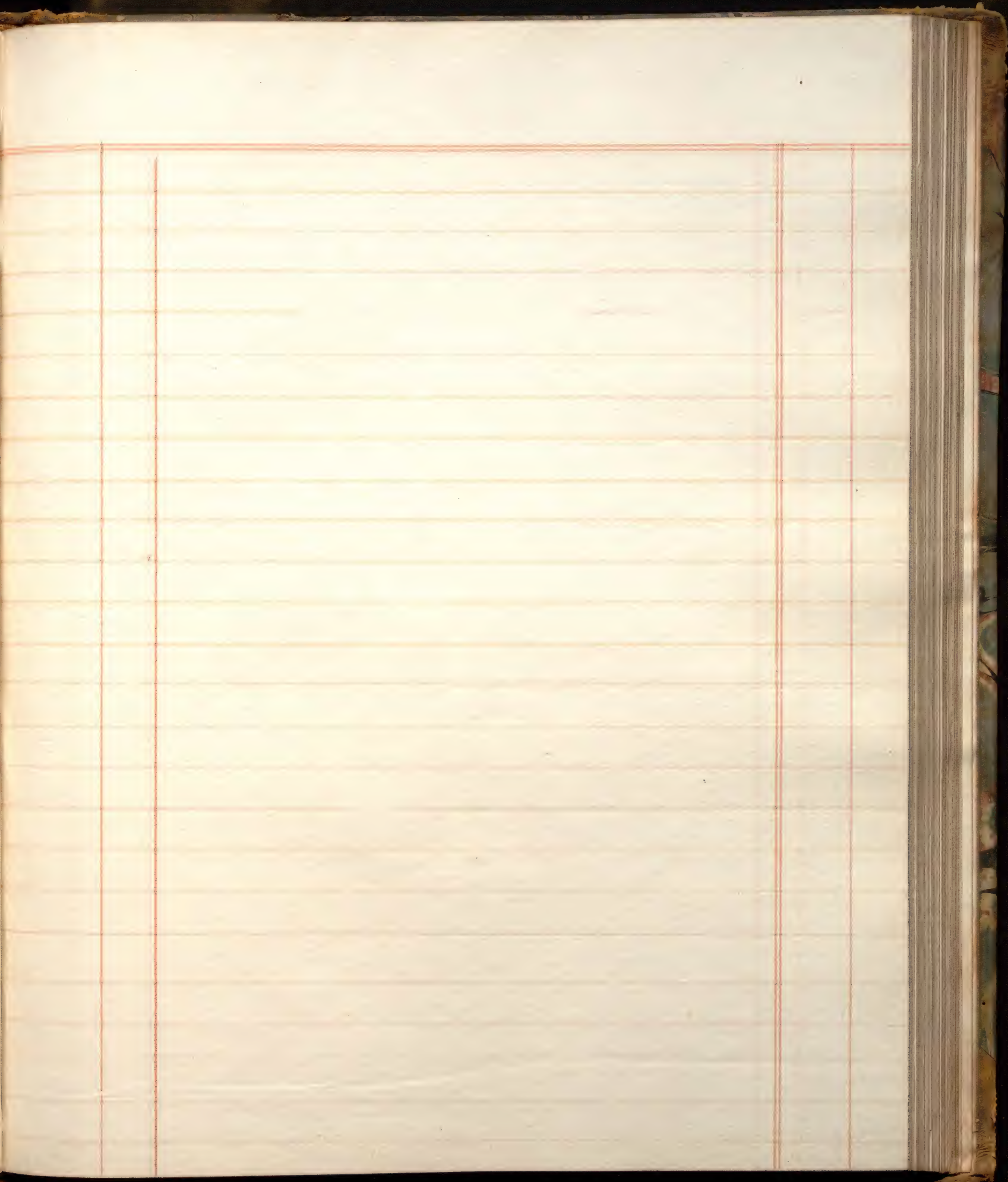


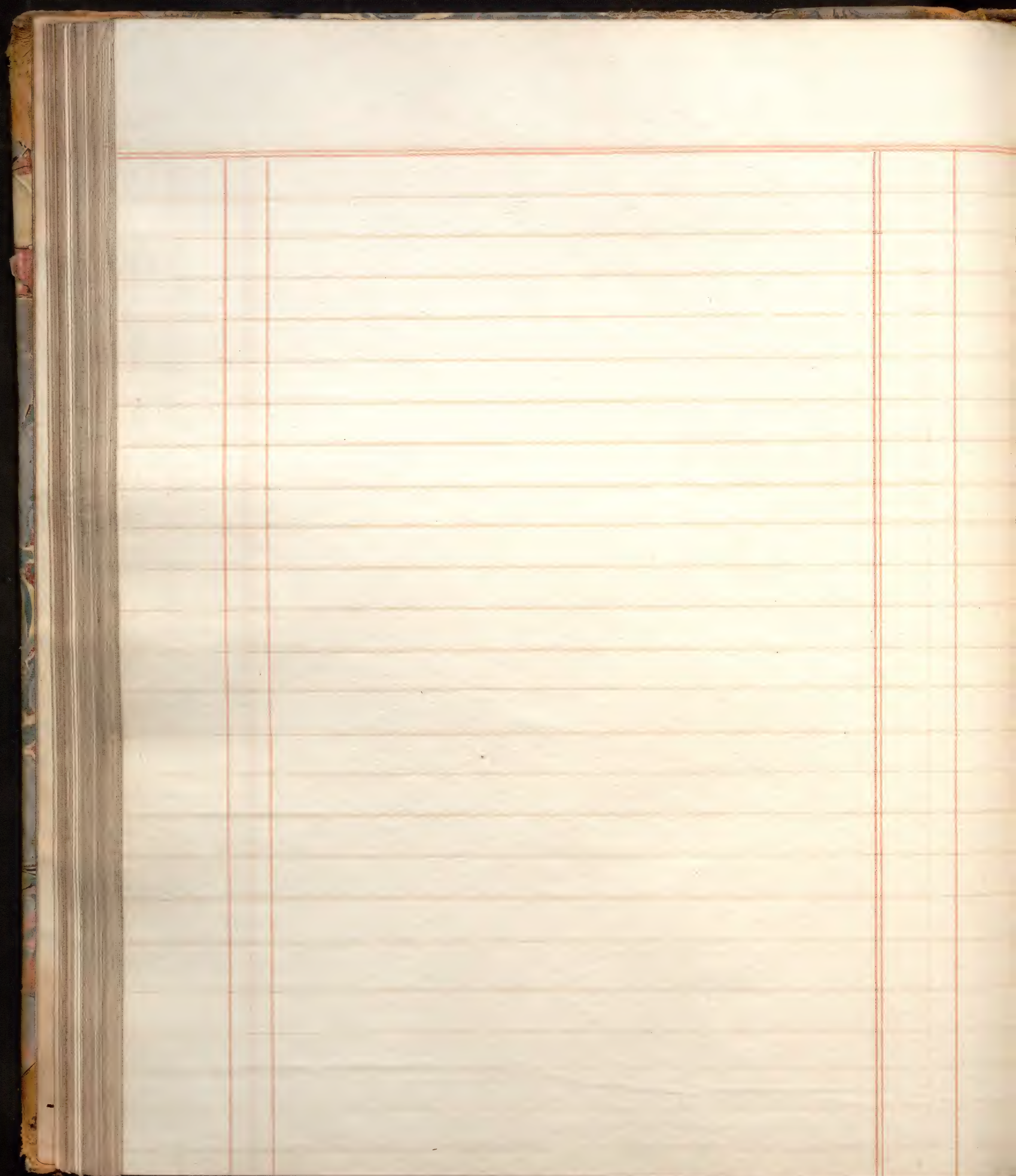


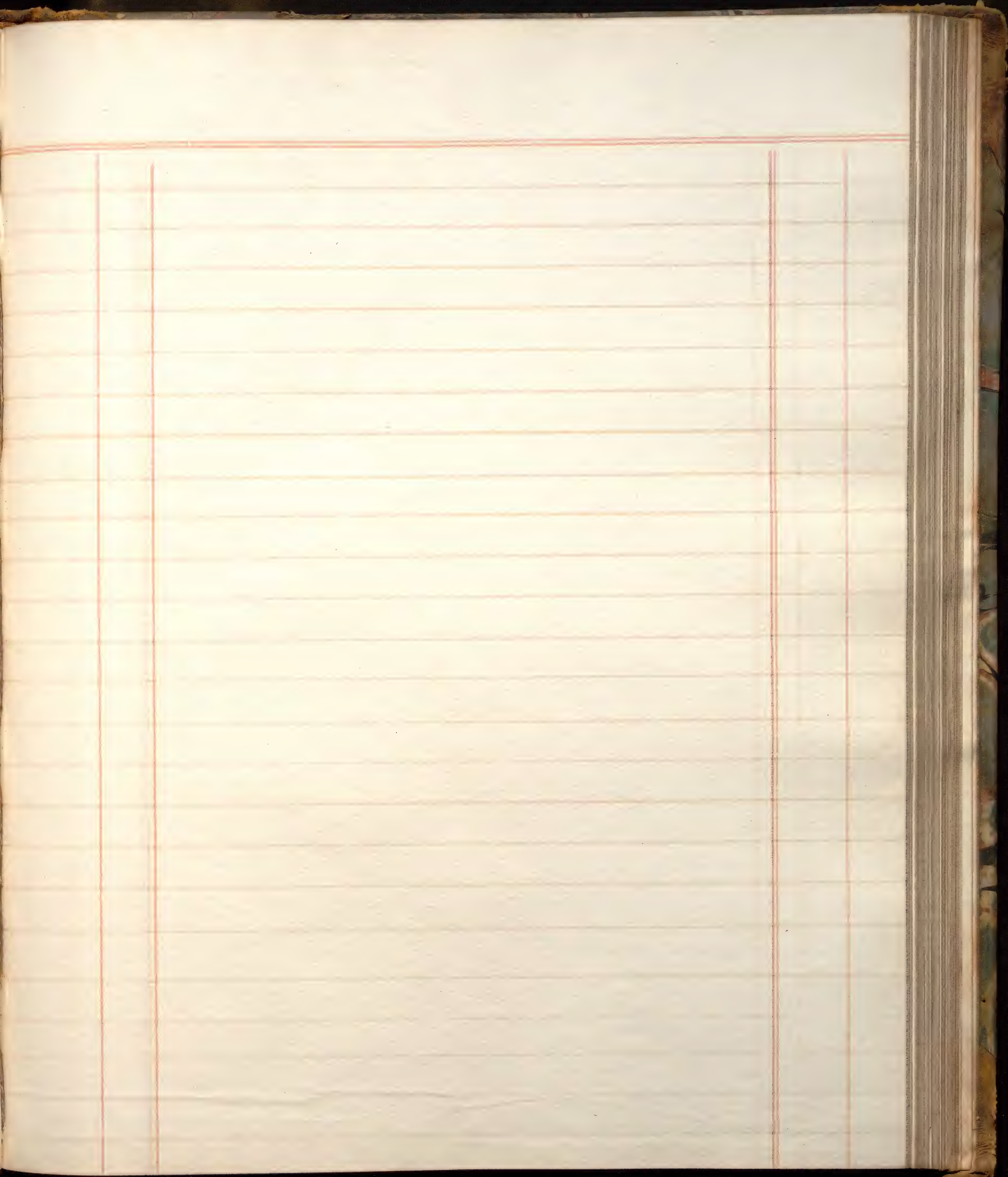


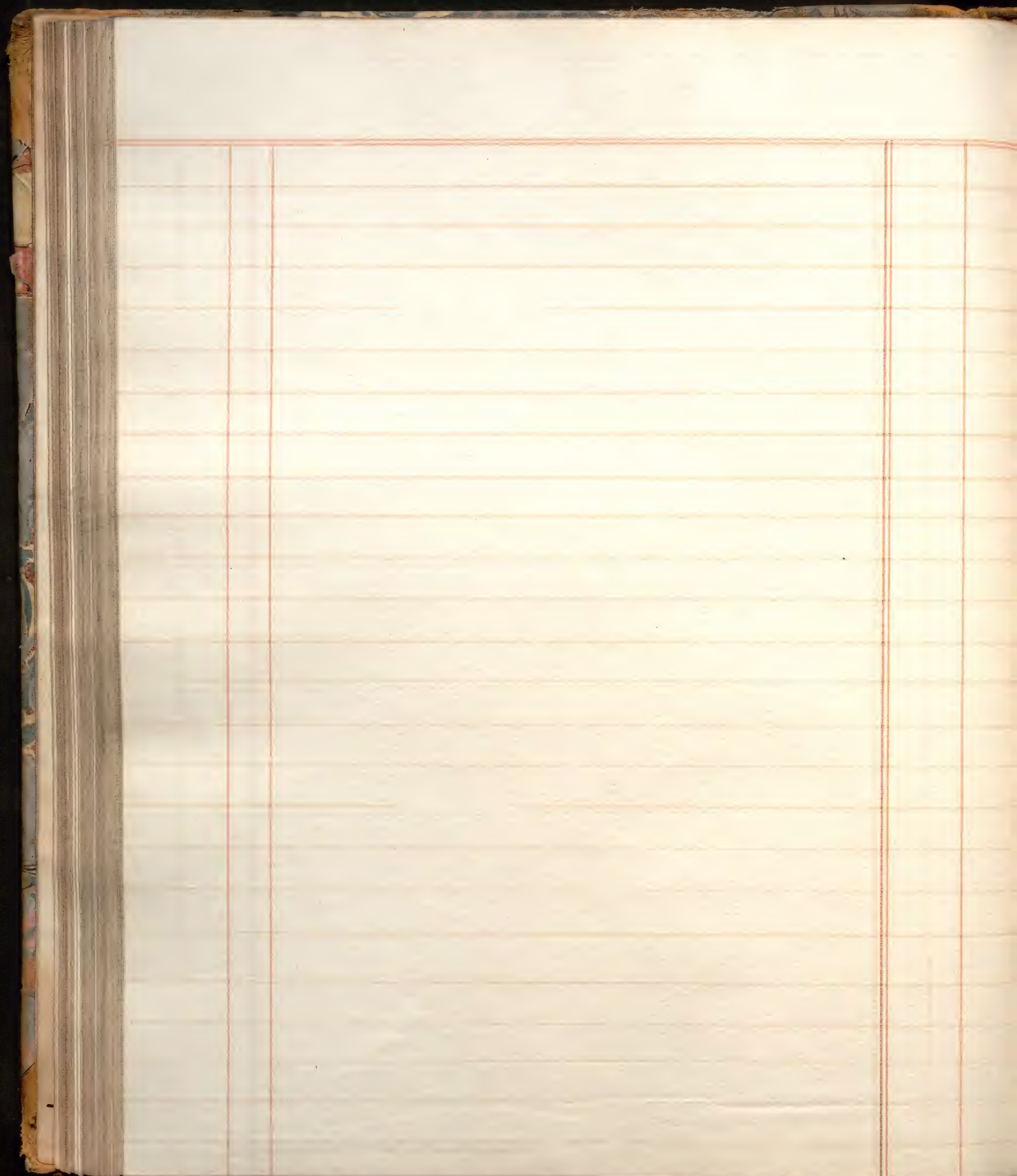


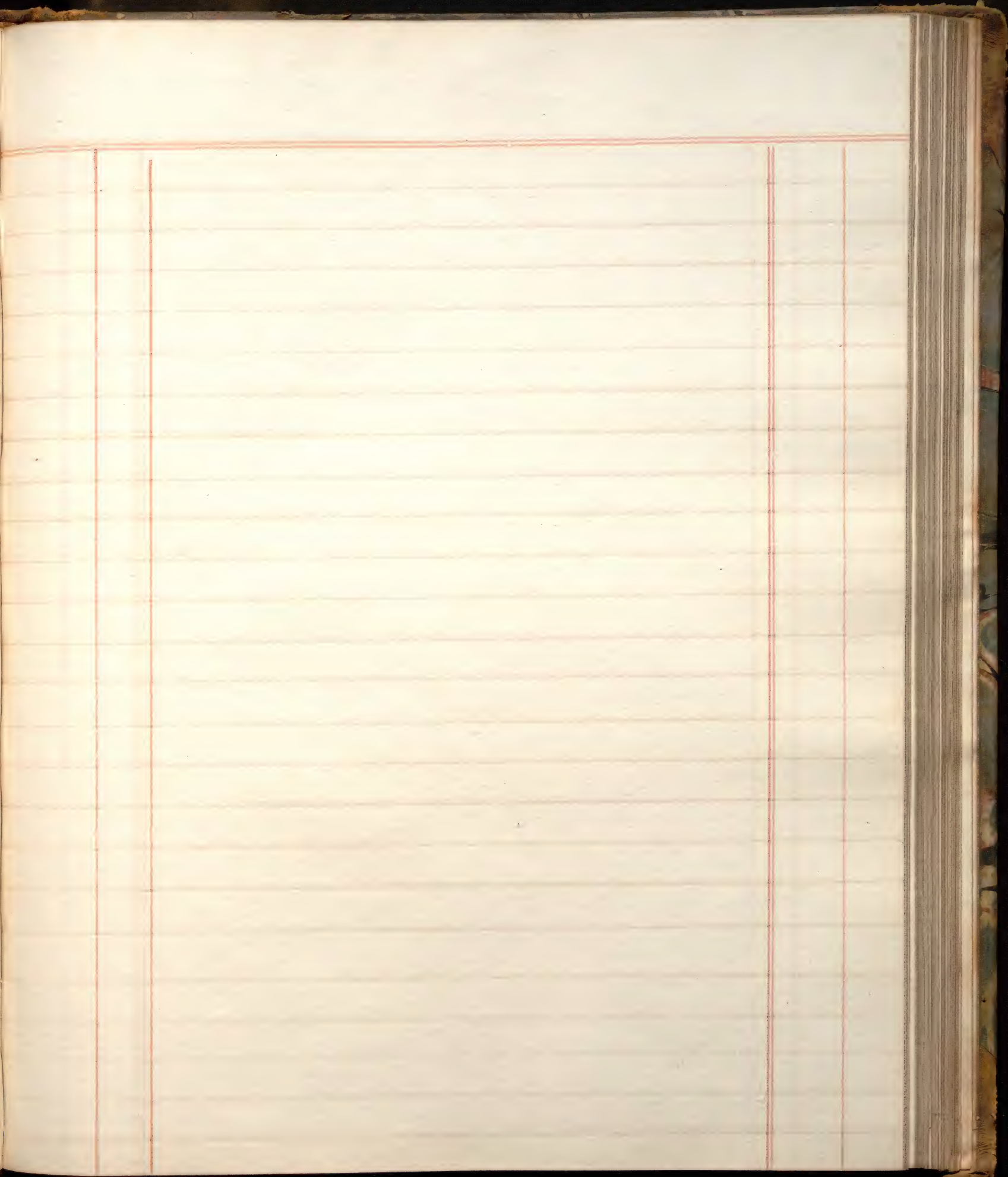


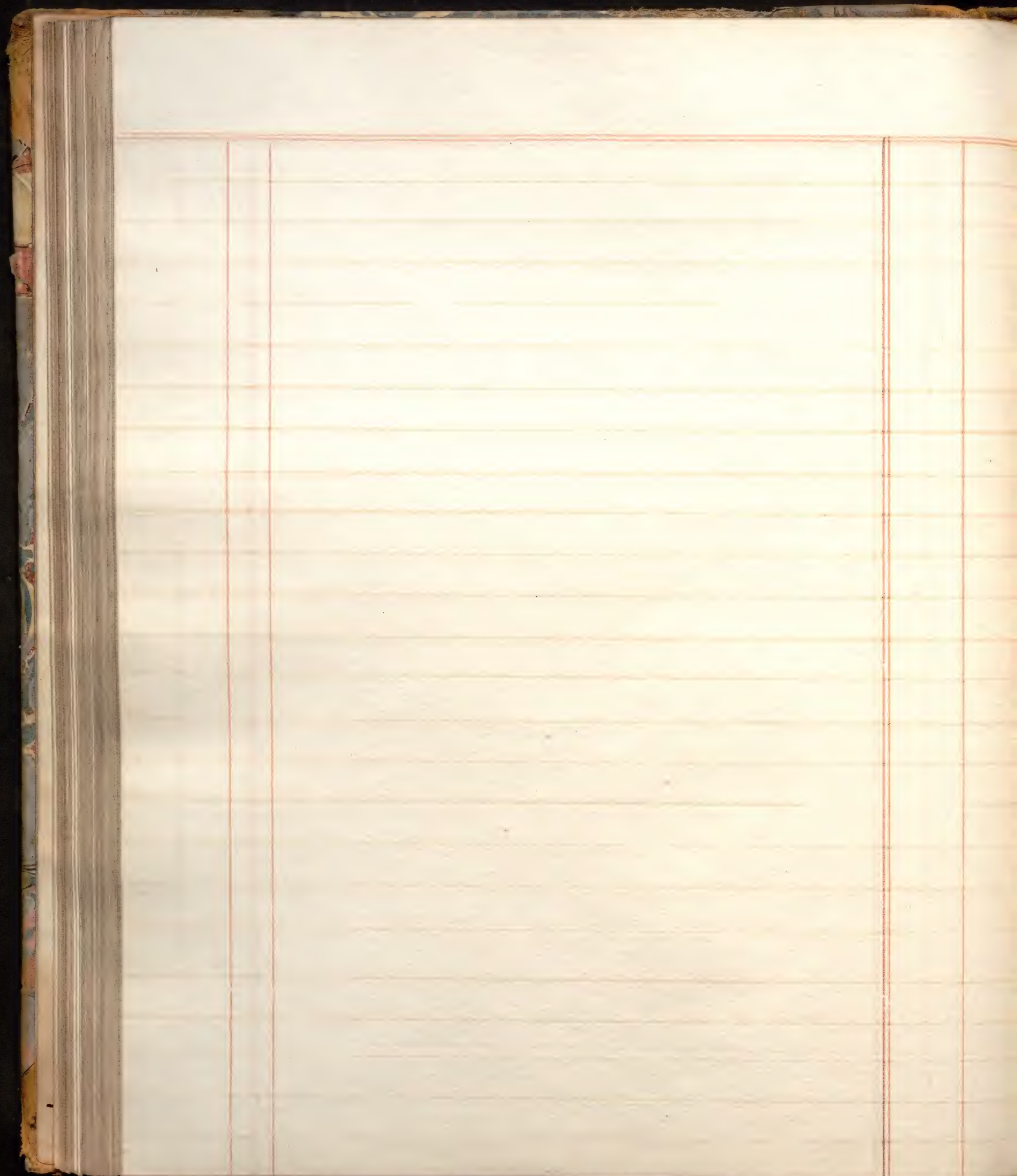




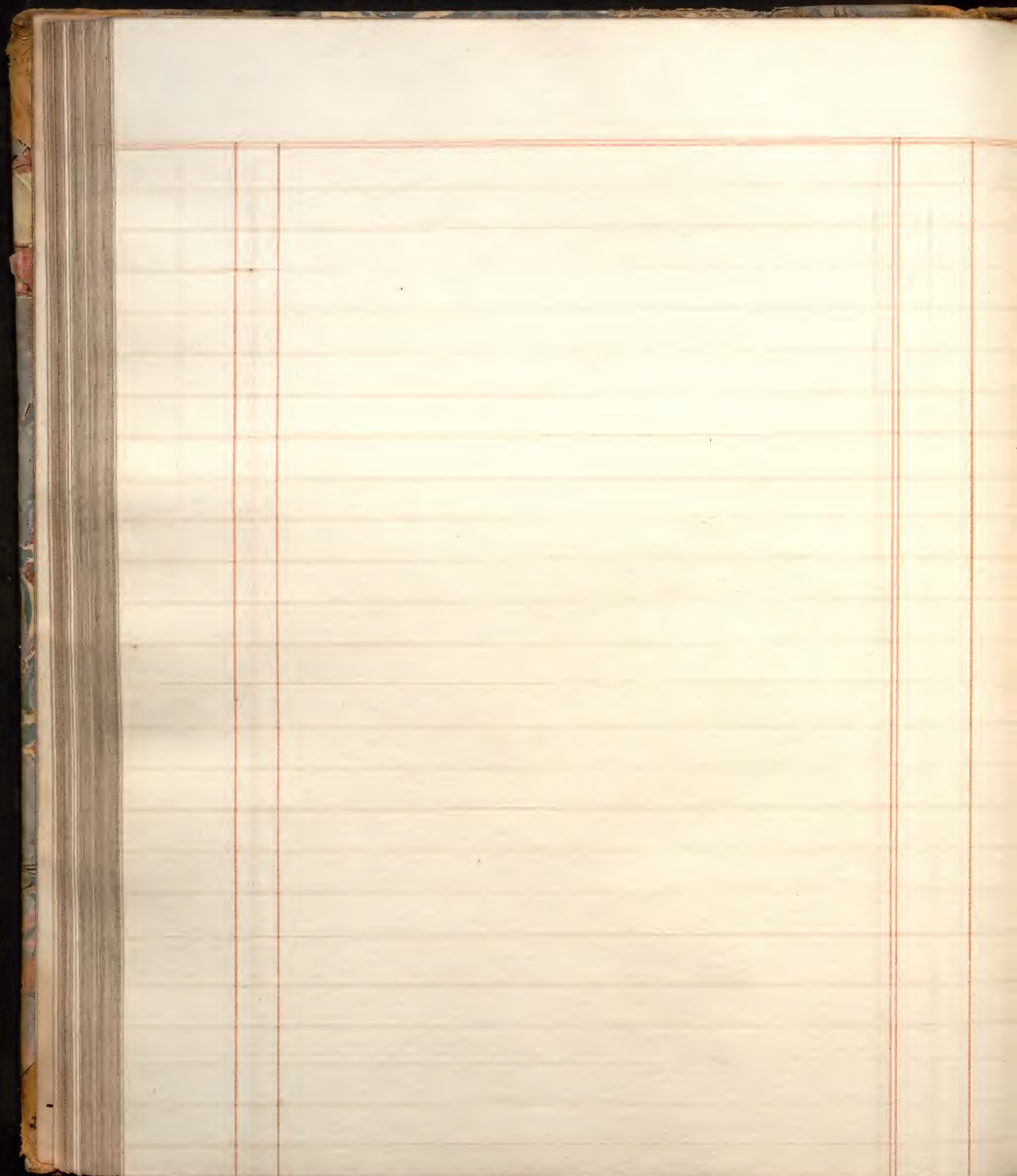














centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

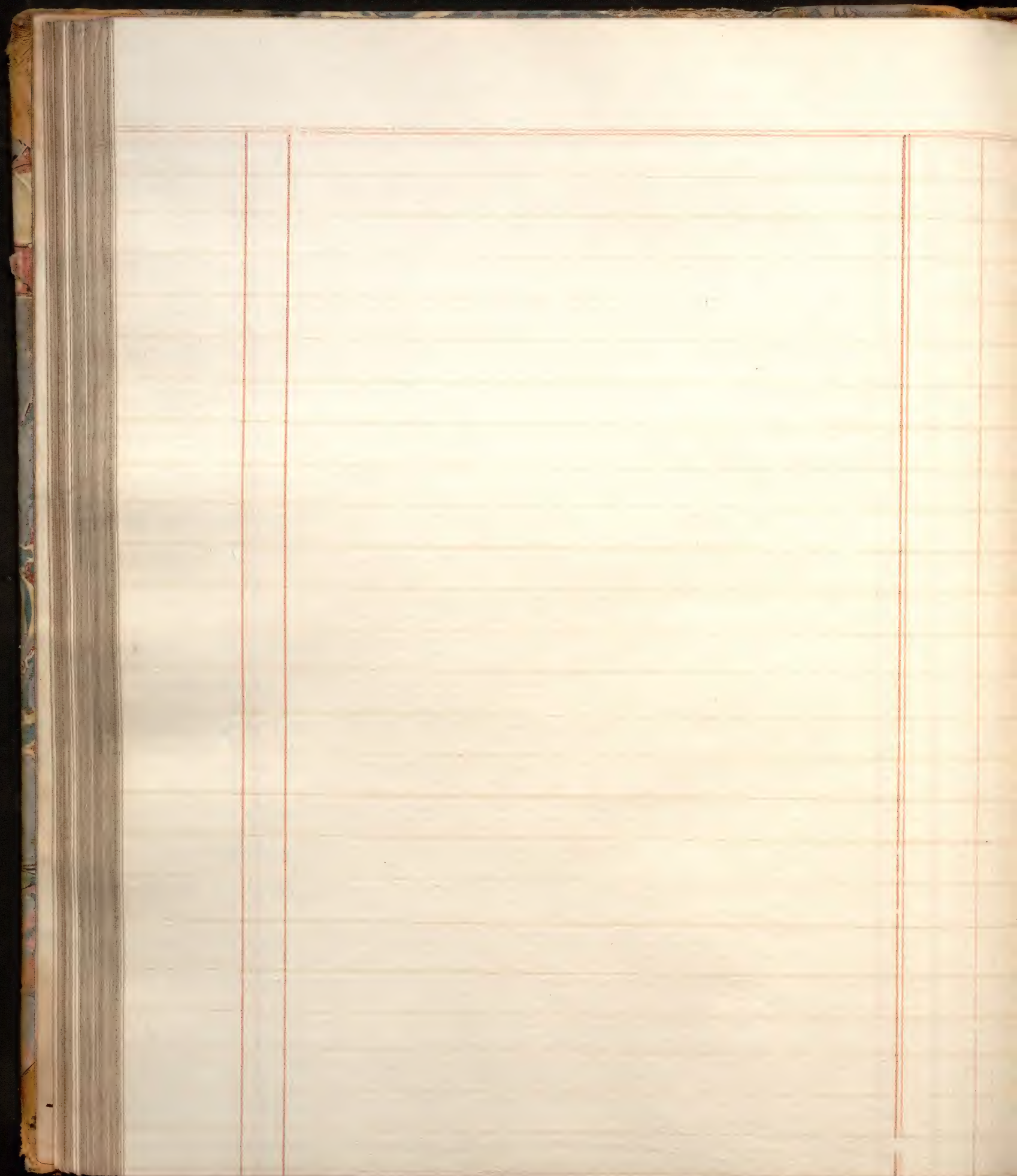
D50 Illuminant, 2 degree observer

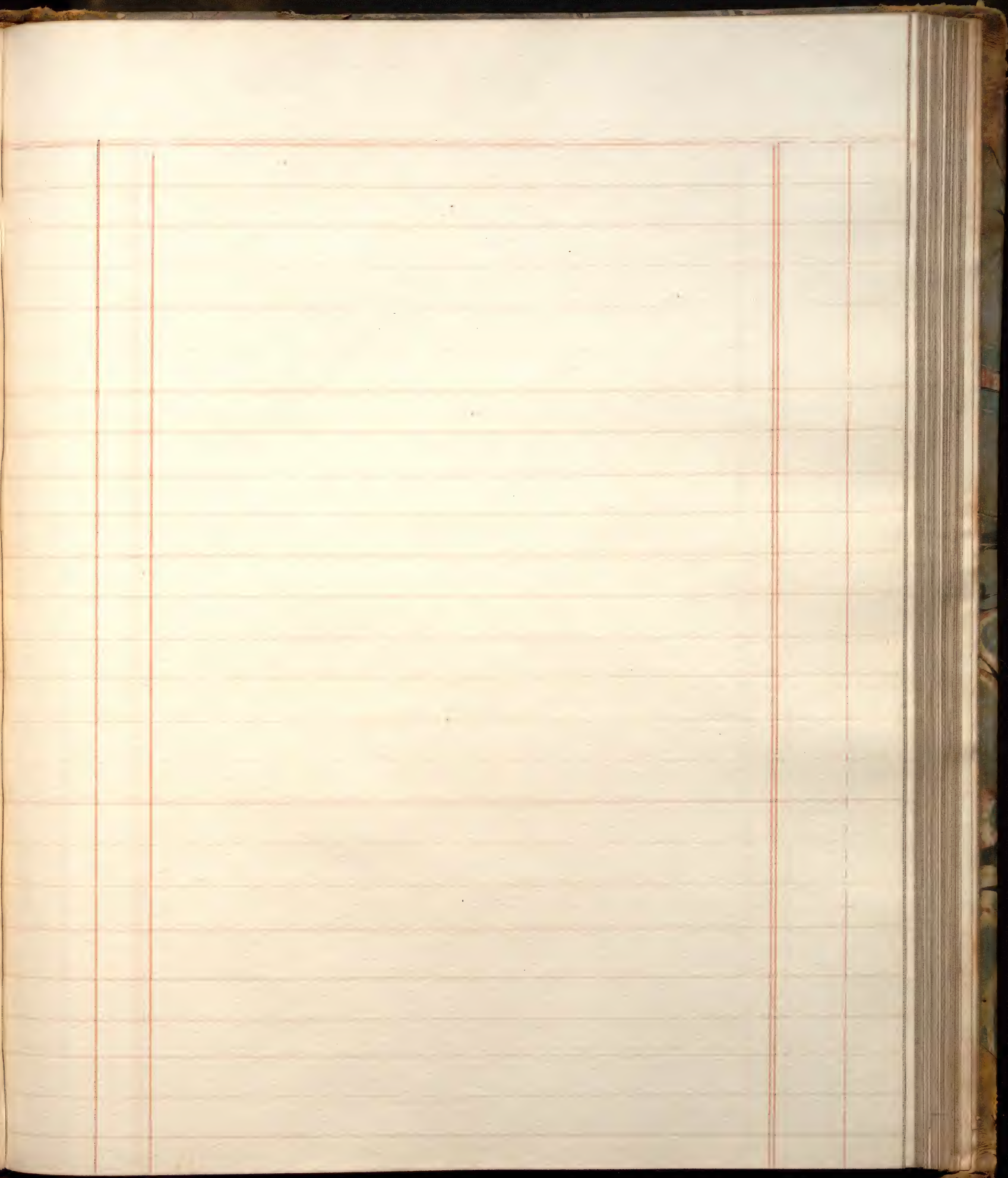
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	82.74	52.79	50.87
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-28.46
Density	0.75	0.98	1.24	1.67	2.04	2.42									

Don Williams









centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

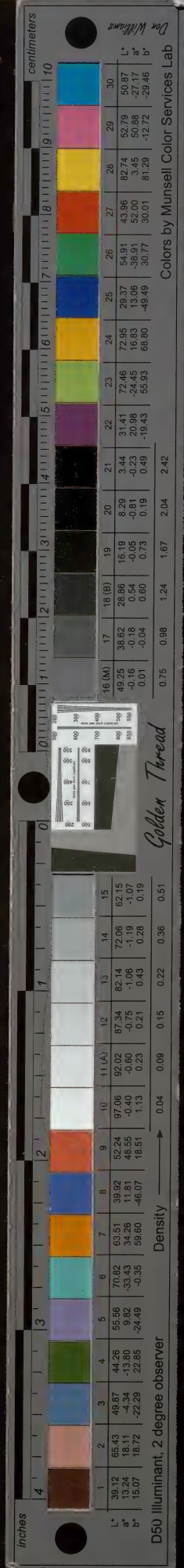
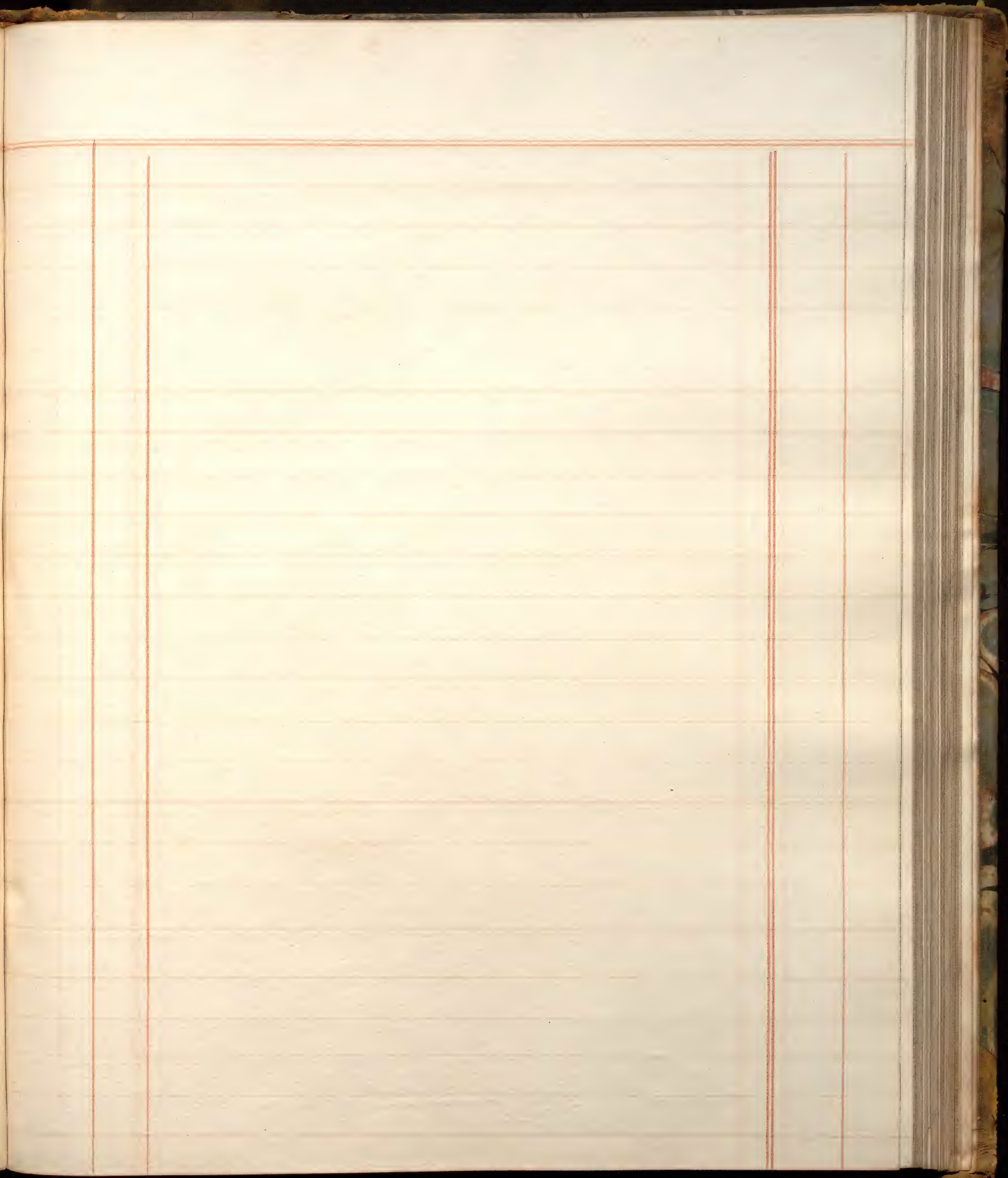
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

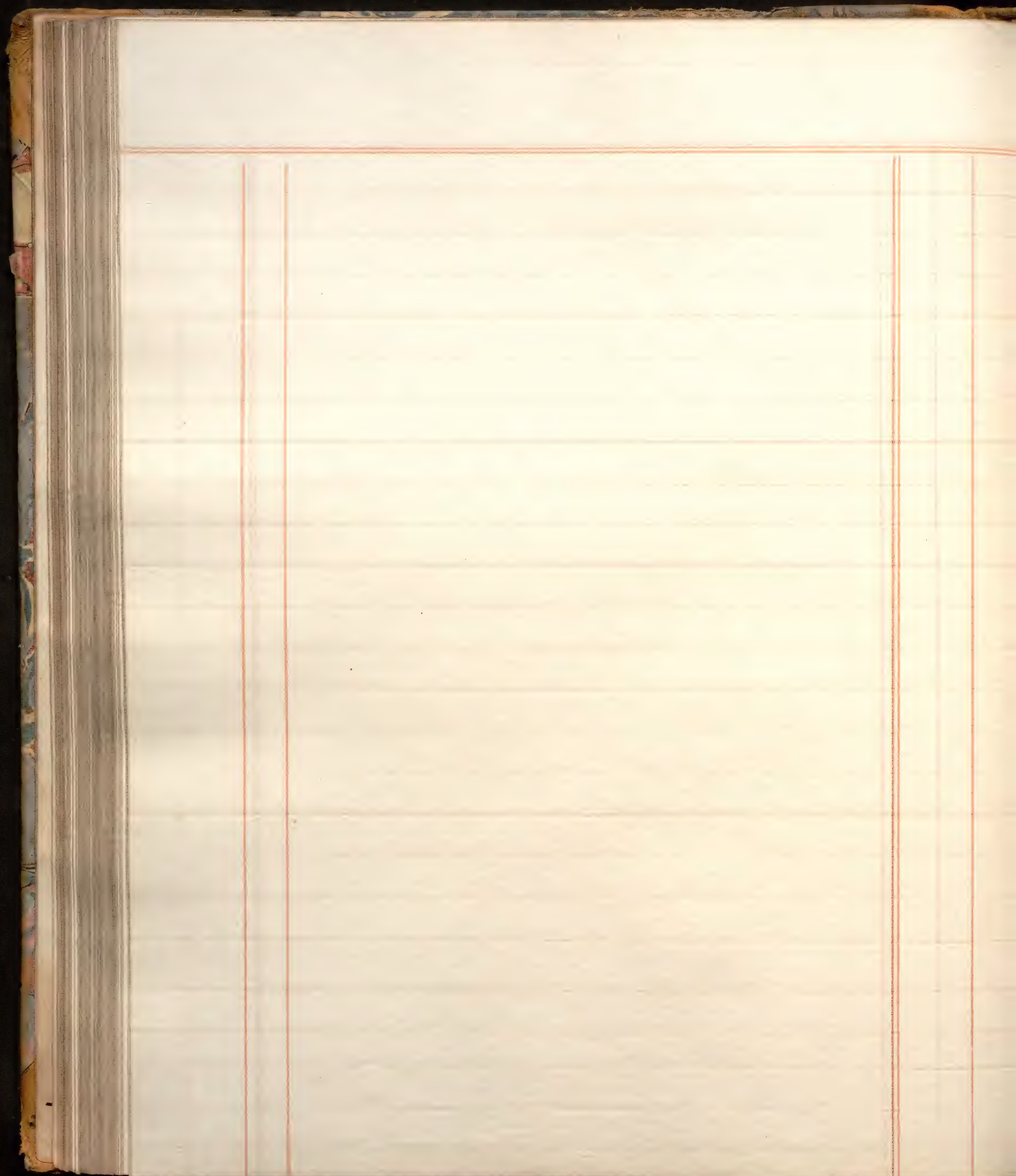
Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams









centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

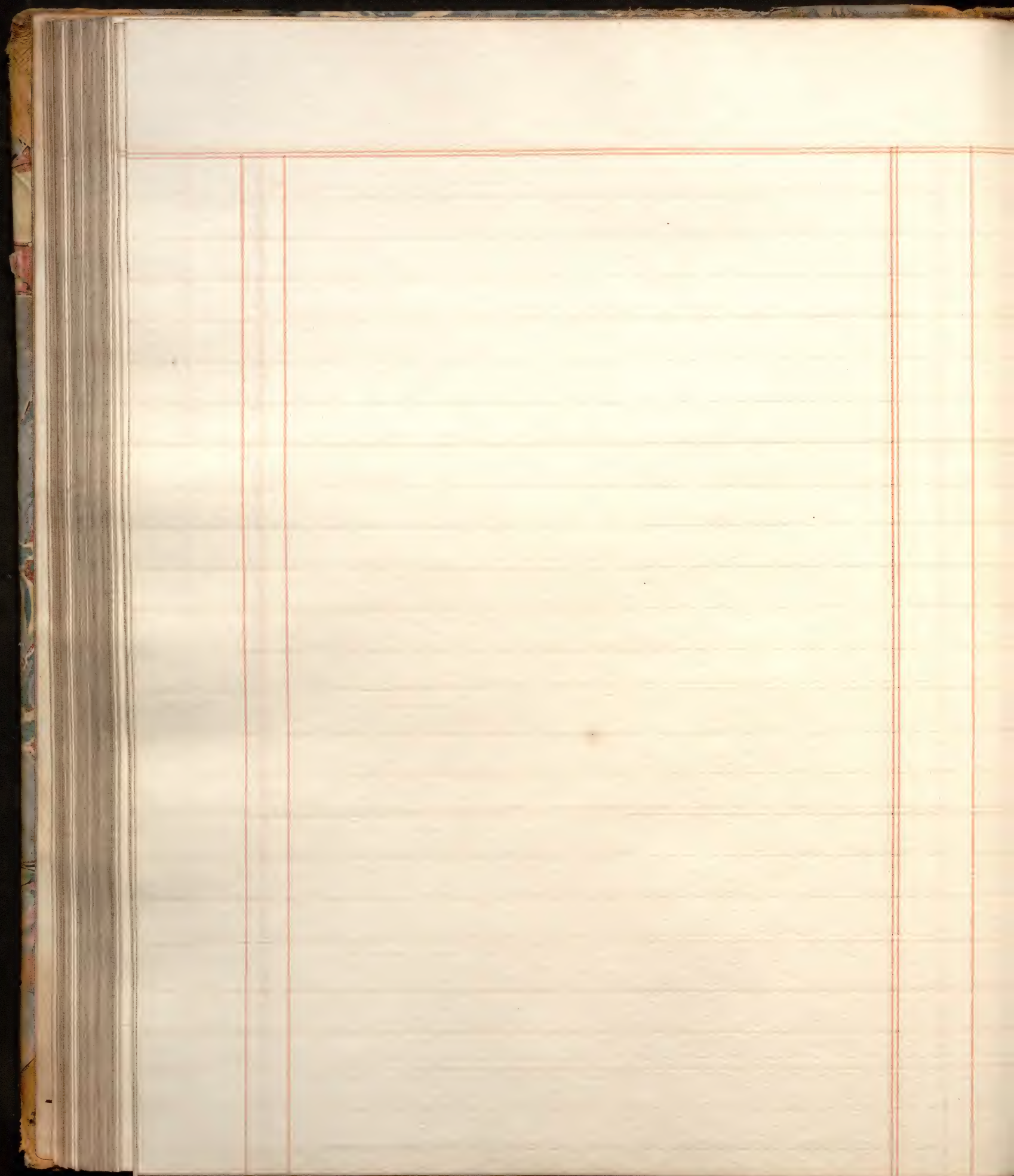
D50 Illuminant, 2 degree observer

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.92	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	-29.46	-34.26
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.15	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.85	13.06	-38.91	52.00	81.29	-12.72	-29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

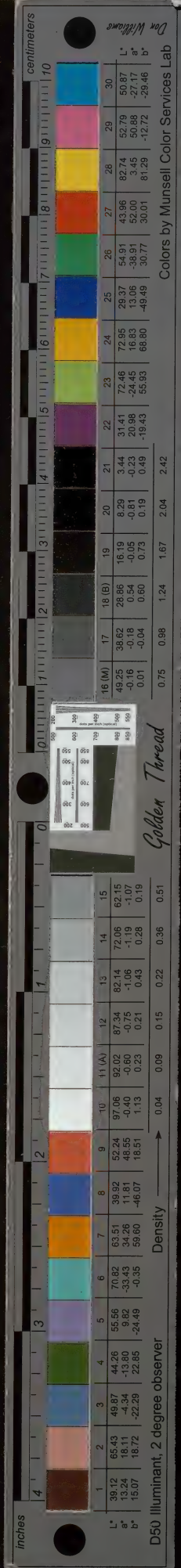
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.79	81.29	-12.72	-29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams









centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15	
a*	13.24	18.11	-4.34	-13.80	9.92	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	18.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.85	13.06	-38.91	52.00	3.45	-29.46	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.79	81.29	-12.72	29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	29.46

Don Williams





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

Density

Colors by Munsell Color Services Lab

Don Williams

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	18.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.79	81.29	-12.72	-29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

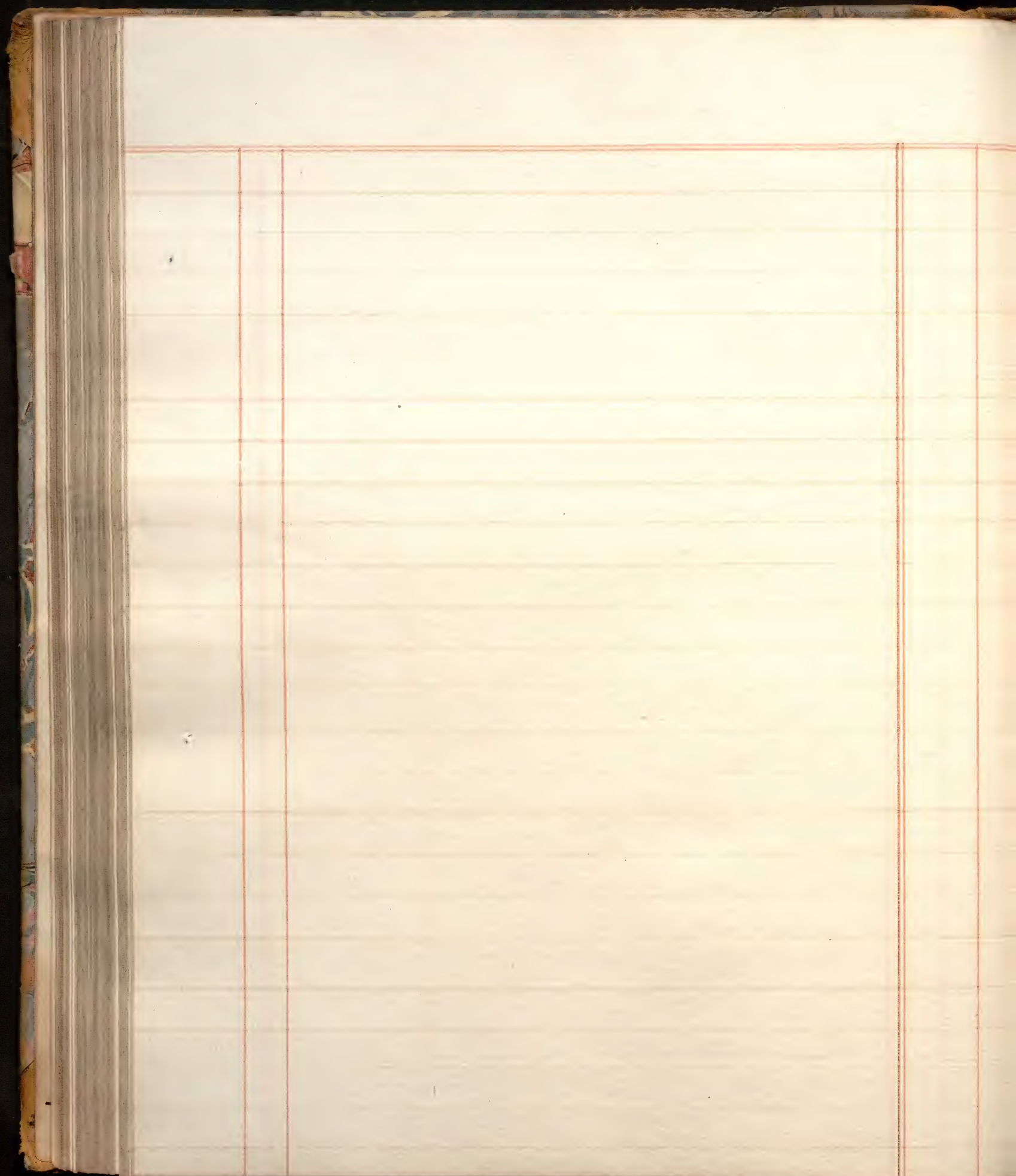
D50 Illuminant, 2 degree observer

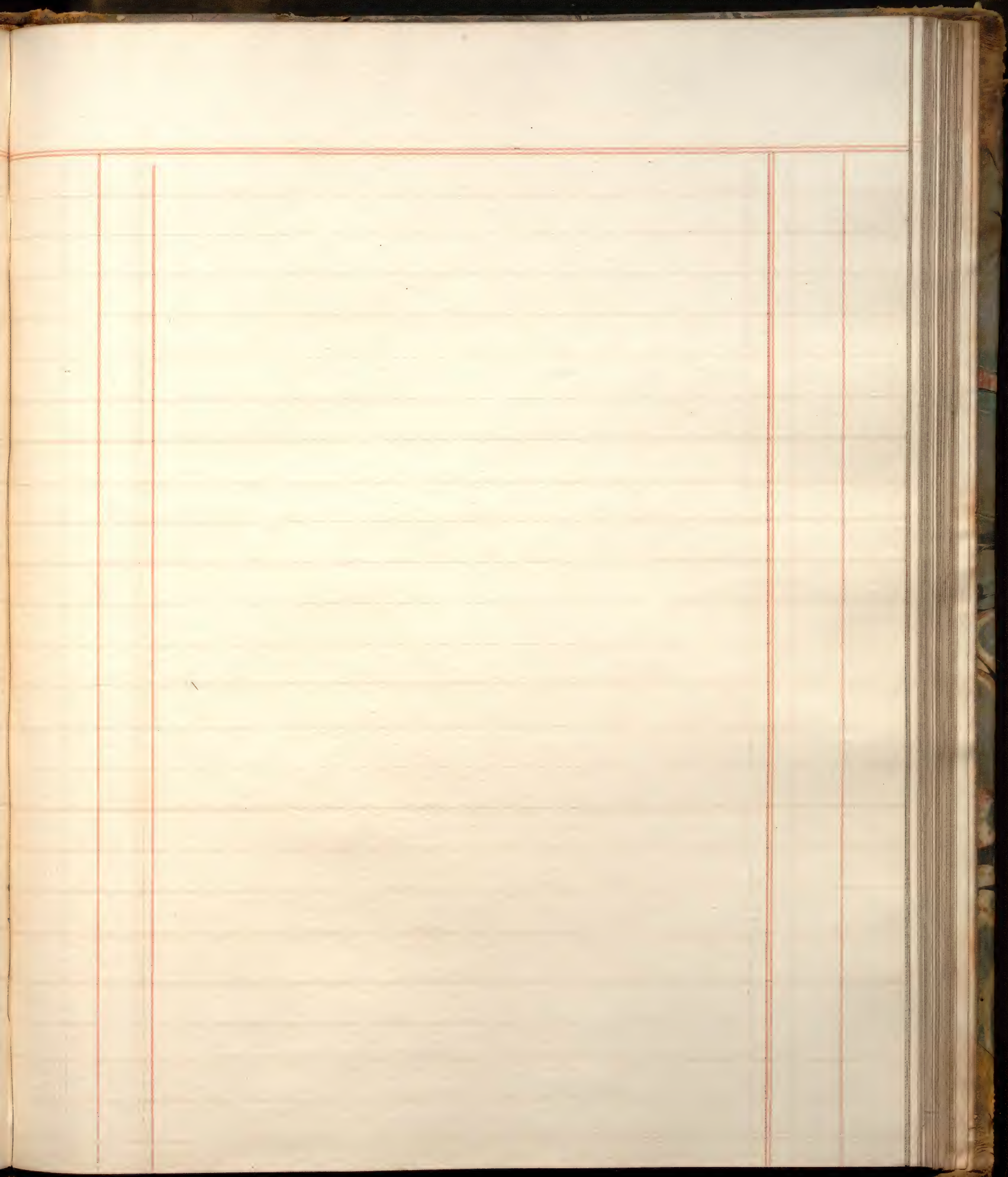
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	-29.46	-18.83
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams





centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

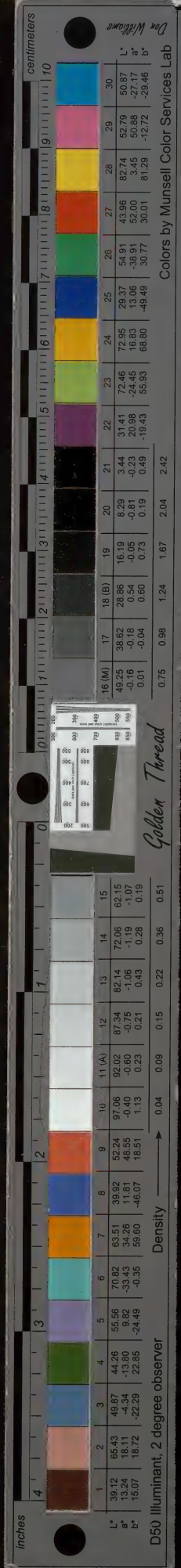
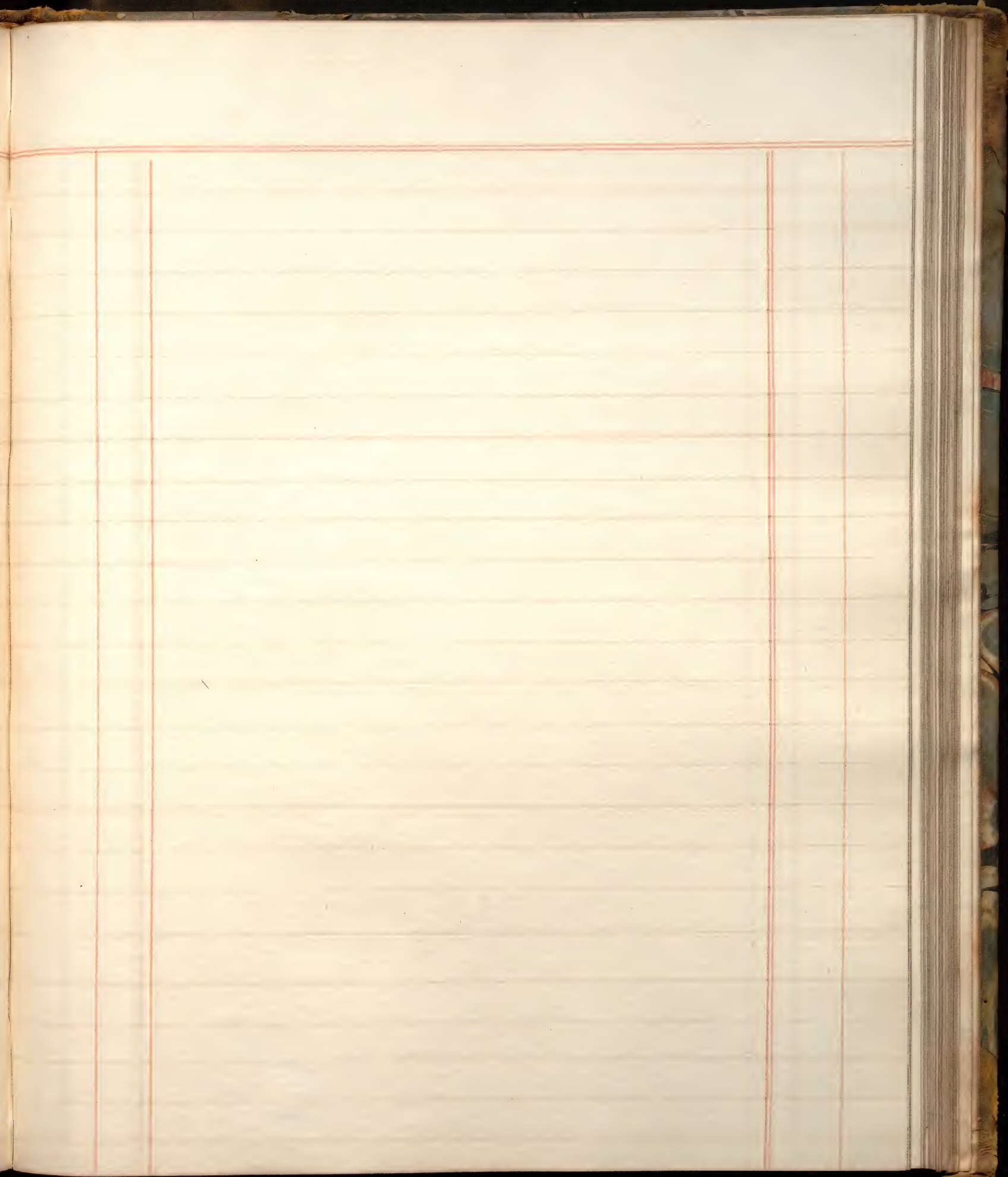
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.92	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.79	81.29	-12.72	-29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams









centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

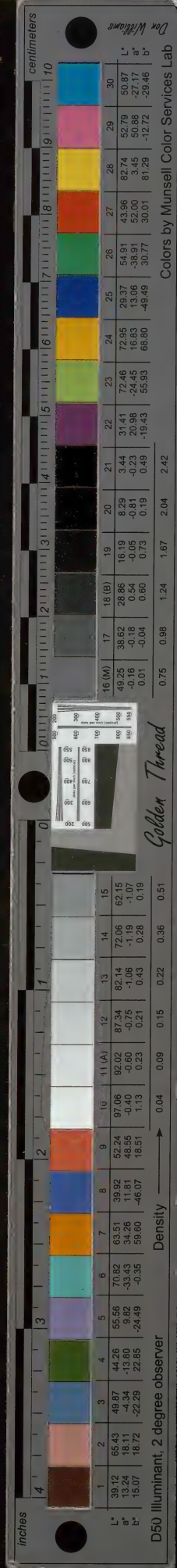
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services Lab

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.45	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	-29.46	-18.82
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams













centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Don Williams

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

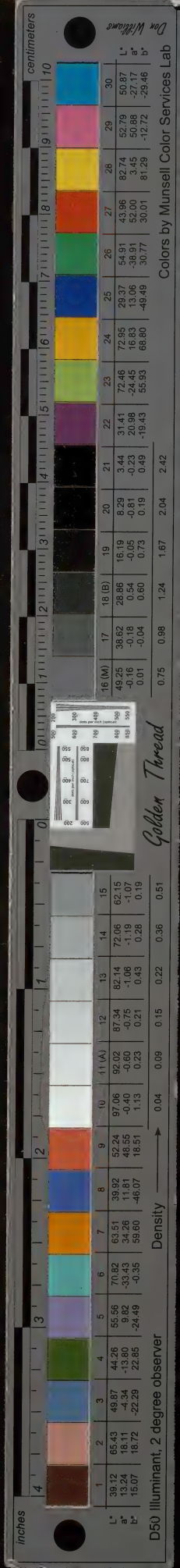
Density → 0.04 0.09 0.15 0.22 0.36 0.51

Golden Thread

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	18.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.29	-12.72	-29.46
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Colors by Munsell Color Services Lab









inches 4 3 2 1 0 1 2 3 4

centimeters 10 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10

39.12 65.43 49.87 44.26 55.56 70.82 63.51 39.92 52.24 87.06 92.02 87.34 82.14 72.05 62.15
13.24 18.11 -4.34 -13.80 -9.82 -33.43 34.26 11.81 48.55 -0.40 -0.60 -0.75 -1.06 -1.05
15.07 18.72 -22.29 22.85 -24.49 -35.00 59.60 -46.07 18.51 1.13 0.23 0.21 0.43 0.28 0.19

D50 Illuminant, 2 degree observer

Density 0.04 0.09 0.15 0.22 0.36 0.51

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 54.91 43.96 82.74 52.79 50.87
-0.16 -0.18 0.54 -0.05 -0.81 0.73 0.19 0.48 0.23 0.20 0.19 0.18 0.17
0.01 -0.04 0.60 0.73 0.19 0.48 0.23 0.20 0.19 0.18 0.17 0.16 0.15

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 54.91 43.96 82.74 52.79 50.87
-0.16 -0.18 0.54 -0.05 -0.81 0.73 0.19 0.48 0.23 0.20 0.19 0.18 0.17
0.01 -0.04 0.60 0.73 0.19 0.48 0.23 0.20 0.19 0.18 0.17 0.16 0.15

Colors by Munsell Color Services Lab

Golden Thread

Don Williams





inches 4 3 2 1 0

centimeters 10 9 8 7 6 5 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

Densities: 0.04, 0.09, 0.15, 0.22, 0.36, 0.51

Patch	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

Densities: 0.75, 0.98, 1.24, 1.67, 2.04, 2.42

Patch	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Colors by Munsell Color Services Lab





inches 4 3 2 1 0 1 2 3 4

centimeters 10 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10

Golden Thread

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

16(M)

	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services Lab

Don Williams





inches 4 3 2 1 0 1 2 3 4 centimeters 10 9 8 7 6 5 4 3 2 1 0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

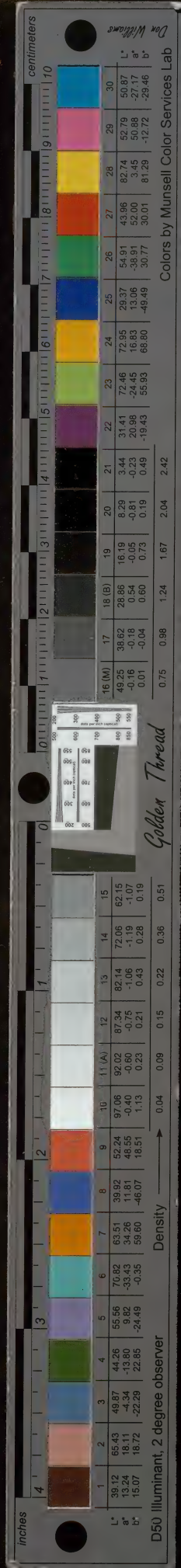
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.48	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Colors by Munsell Color Services Lab

Golden Thread

Don Williams









inches 4 3 2 1 0

centimeters 10 9 8 7 6 5 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	92.02	97.06	92.02	87.34	82.14	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

16(M)

	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services Lab





inches 4 3 2 1 0 1 2 3 4 centimeters 10 9 8 7 6 5 4 3 2 1 0

39.12 65.43 49.87 44.26 55.56 70.82 63.51 39.92 52.24 48.55 18.51 0.04 0.09 0.15 0.22 0.36 0.51

L* 13.24 18.11 4.34 -13.80 9.82 -33.43 34.26 11.81 48.55 18.51 0.04 0.09 0.15 0.22 0.36 0.51

a* 15.07 18.72 -22.29 22.85 -24.49 59.60 -46.07 11.81 48.55 18.51 0.04 0.09 0.15 0.22 0.36 0.51

b* 15.07 18.72 -22.29 22.85 -24.49 59.60 -46.07 11.81 48.55 18.51 0.04 0.09 0.15 0.22 0.36 0.51

D50 Illuminant, 2 degree observer

Density 0.04 0.09 0.15 0.22 0.36 0.51

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30

49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 72.95 29.37 54.91 43.96 82.74 52.79 50.87

-0.16 -0.18 0.54 -0.05 -0.81 -0.23 16.83 13.06 13.06 13.06 13.06 13.06 13.06 13.06 13.06

0.01 -0.04 0.60 0.73 0.19 0.48 -19.43 55.93 68.80 30.01 30.01 30.01 30.01 30.01 30.01

Colors by Munsell Color Services Lab

Golden Thread

Don Williams





inches 4 3 2 1 0 1 2 3 4 centimeters 10 9 8 7 6 5 4 3 2 1 0

39.12 65.43 49.87 44.26 55.56 70.82 63.51 39.92 52.24 97.06 92.02 87.34 82.14 72.05 62.15
13.24 18.11 -4.34 -13.80 9.82 -33.43 34.26 11.81 48.55 -0.40 -0.60 -0.75 -0.90 -0.84 -0.19
15.07 18.72 -22.29 22.85 -24.49 -0.35 -0.21 0.23 0.21 0.21 0.21 0.21 0.21 0.21 0.19

D50 Illuminant, 2 degree observer

Density 0.04 0.09 0.15 0.22 0.36 0.51

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29 30
49.25 38.62 28.86 16.19 8.29 3.44 31.41 72.46 72.95 29.37 54.91 43.96 82.74 52.79 50.87
-0.16 -0.18 0.54 -0.05 -0.81 -0.23 20.98 -24.45 16.83 13.06 -38.91 52.00 3.45 50.88 -27.17
0.01 -0.04 0.60 0.73 0.19 0.49 -19.43 -55.93 68.80 -49.49 30.77 30.01 81.29 -12.72 -29.46

Golden Thread

Colors by Munsell Color Services Lab





inches 4 3 2 1 0 1 2 3 4

centimeters 10 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10

39.12 65.43 49.87 44.26 56.56 70.82 63.51 39.92 52.24 48.55 18.51 59.60 46.07 34.26 11.81 92.02 87.54 83.14 72.05 62.15
L* 13.24 18.11 -4.34 -13.80 9.82 -33.43 34.26 11.81 92.02 87.54 83.14 72.05 62.15
a* 15.07 18.72 -22.29 22.85 -24.49 -0.35 -0.35 0.23 0.21 0.43 0.28 0.19
b* 15.07 18.72 -22.29 22.85 -24.49 -0.35 -0.35 0.23 0.21 0.43 0.28 0.19

Density 0.04 0.09 0.15 0.22 0.36 0.51

D50 Illuminant, 2 degree observer

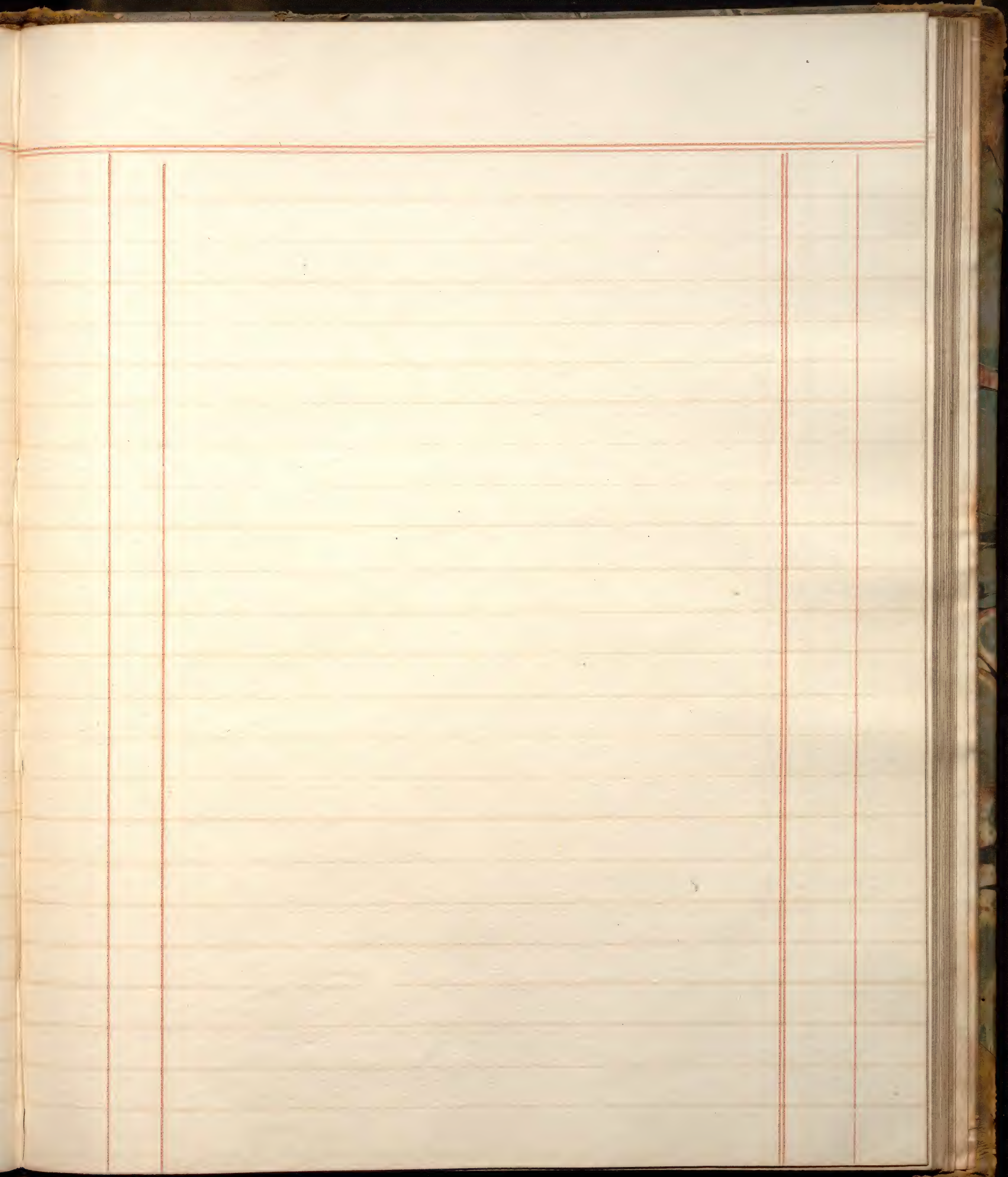
Golden Thread

Colors by Munsell Color Services Lab

Don Williams

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	56.56	70.82	63.51	39.92	52.24	48.55	18.51	59.60	46.07	34.26	11.81
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	92.02	87.54	83.14	72.05	62.15	52.16	37.12
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	-0.35	0.23	0.21	0.43	0.28	0.19	0.19	0.19	0.19





inches 4 3 2 1 0 1 2 3 4 centimeters 10 9 8 7 6 5 4 3 2 1 0

Golden Thread

D50 Illuminant, 2 degree observer

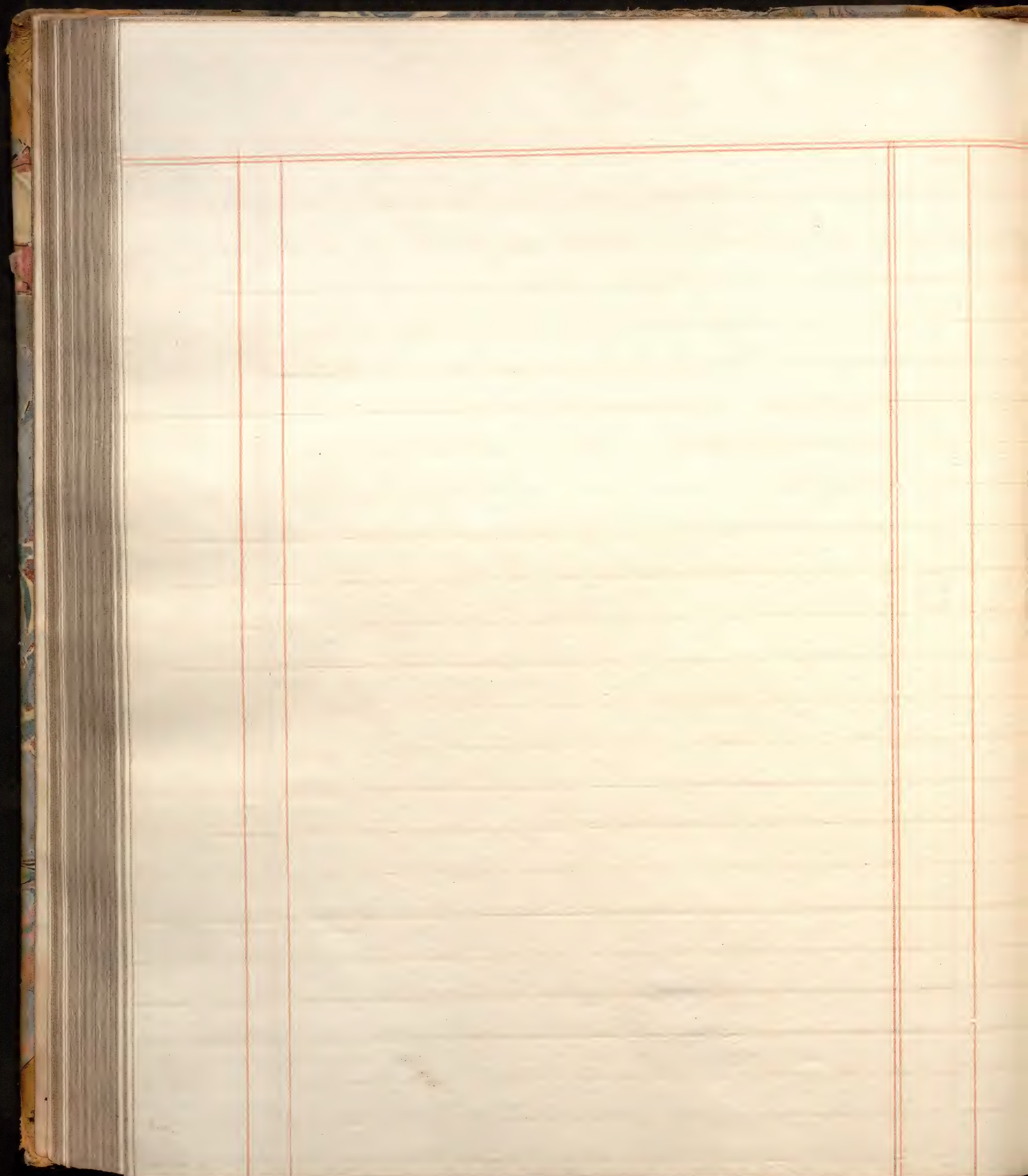
	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	92.02	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

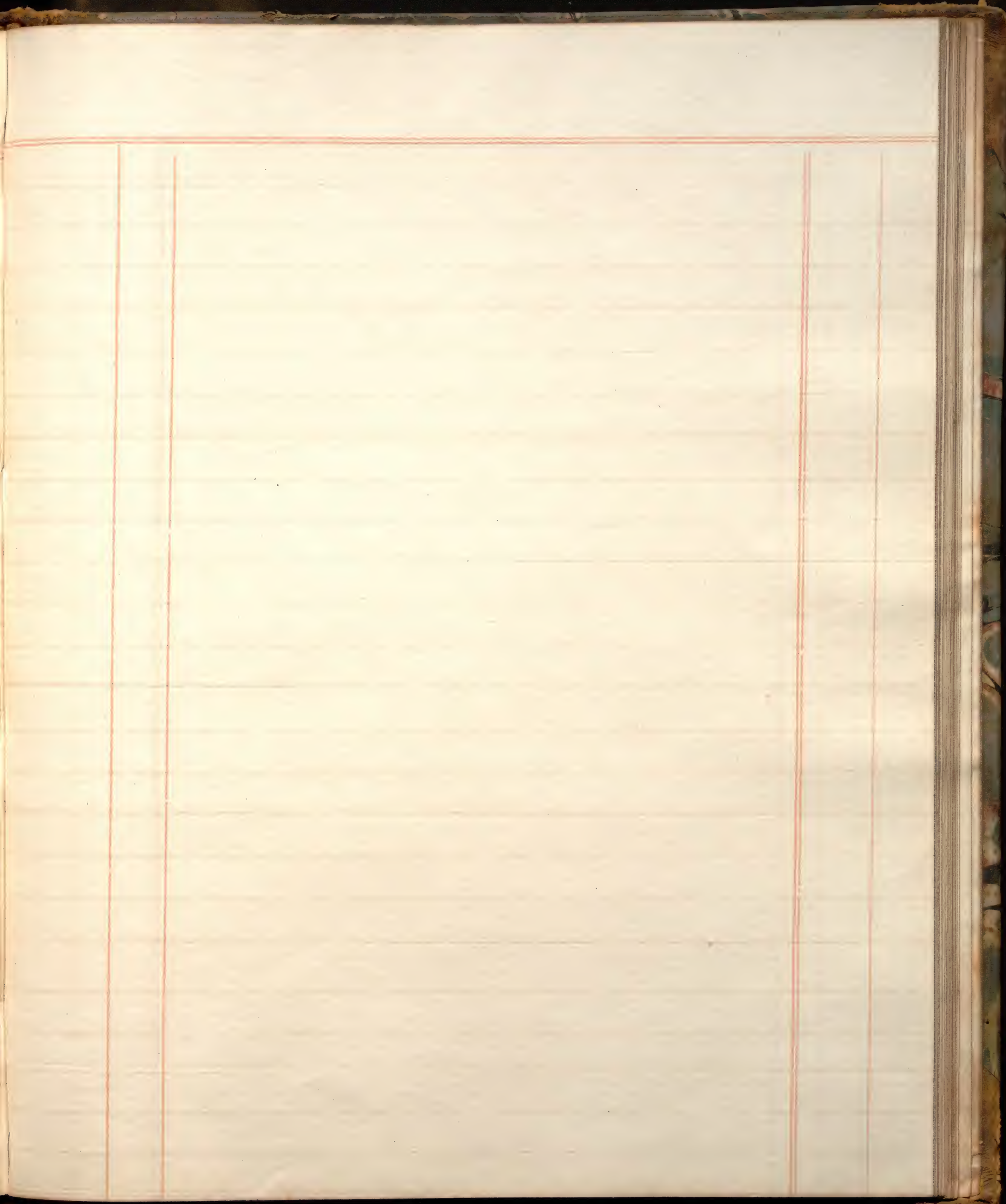
Colors by Munsell Color Services Lab

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Don Williams







centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Don Williams

Colors by Munsell Color Services Lab

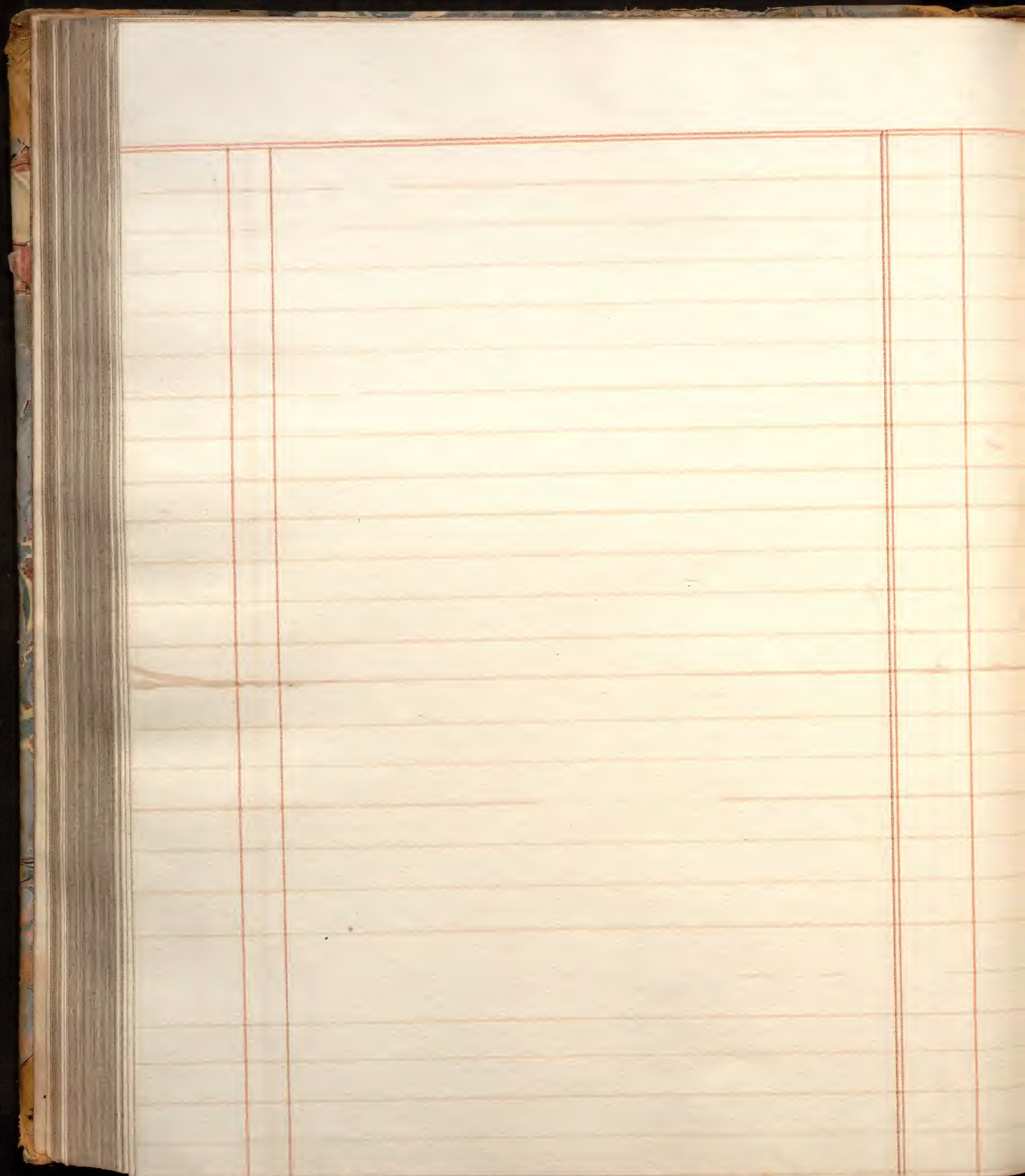
D50 Illuminant, 2 degree observer

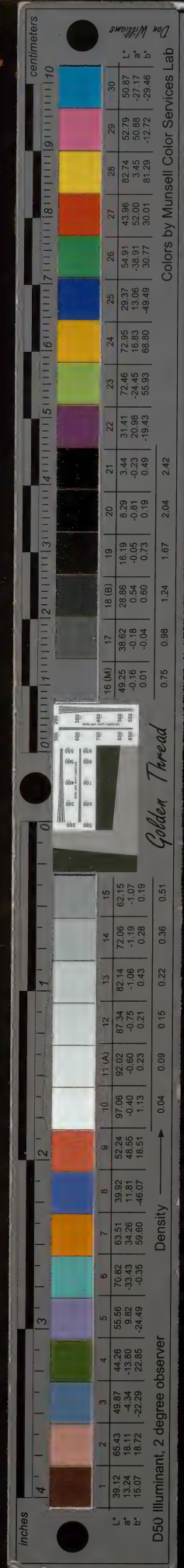
Density

Golden Thread

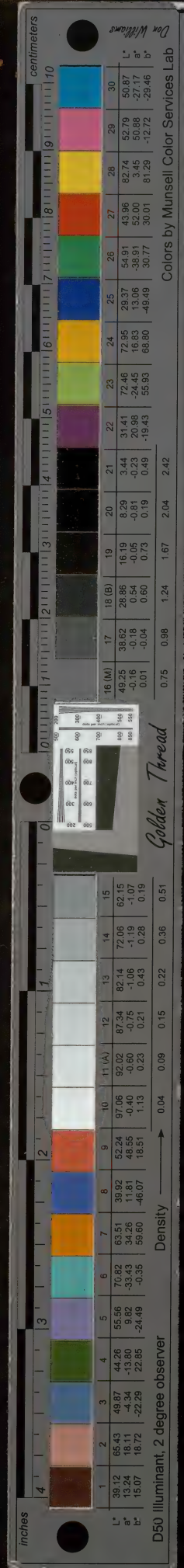
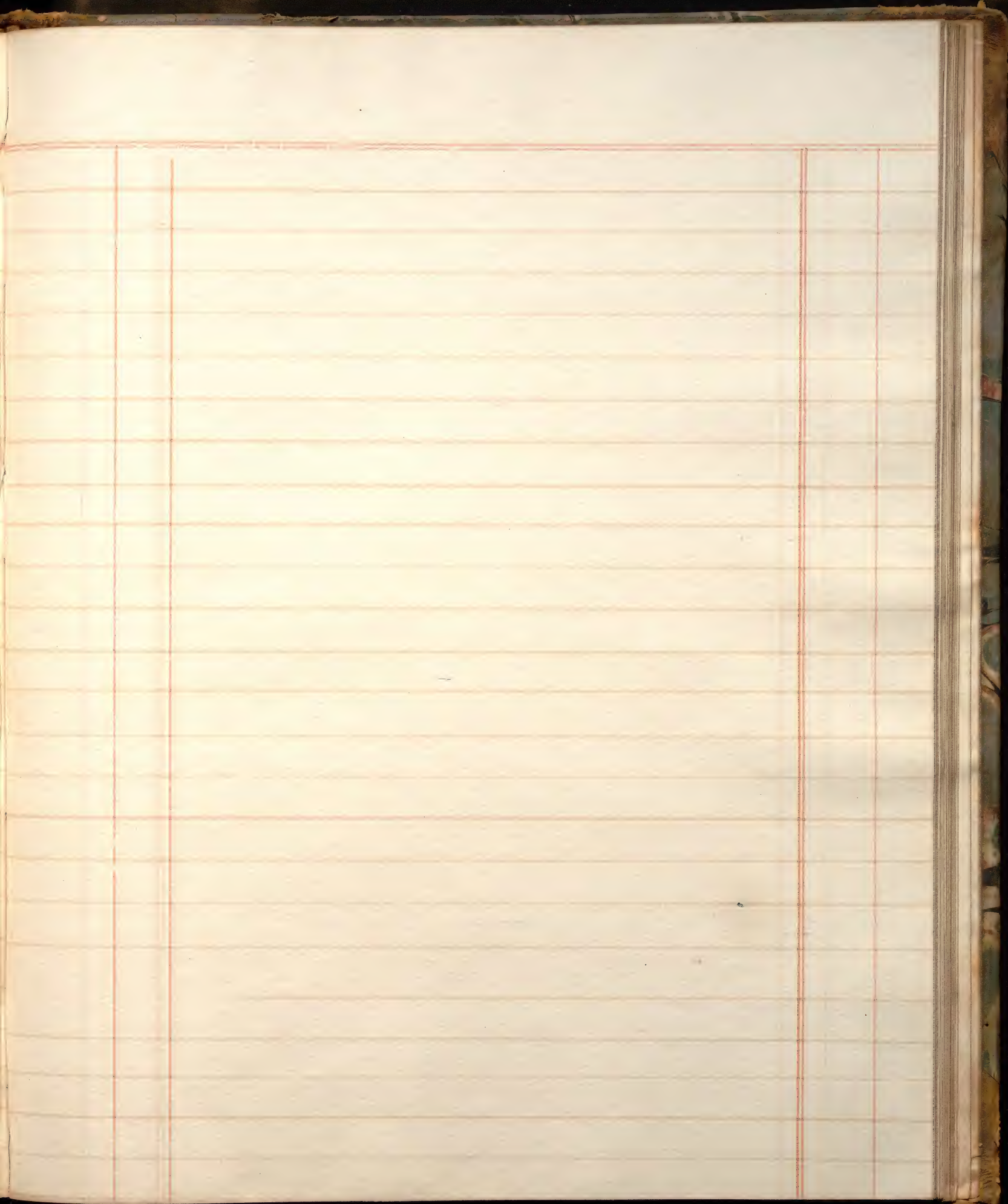
	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	-22.85	-24.49	-0.35	-0.83	-0.13	-0.03	-0.03	-0.03	-0.06	-0.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	-0.83	-0.13	-0.03	-0.03	-0.03	-0.03	-0.06	-0.19	-1.07

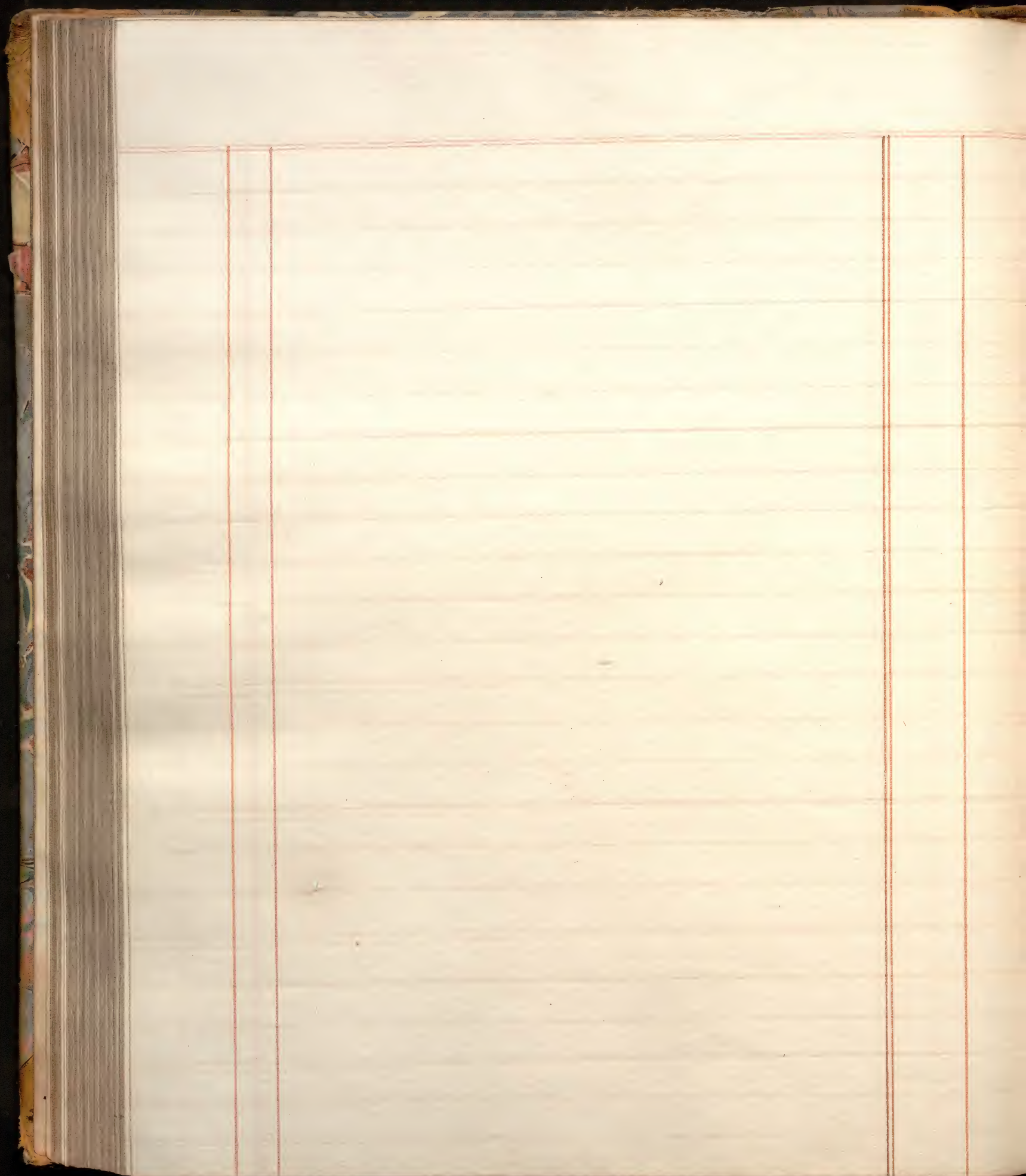
	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

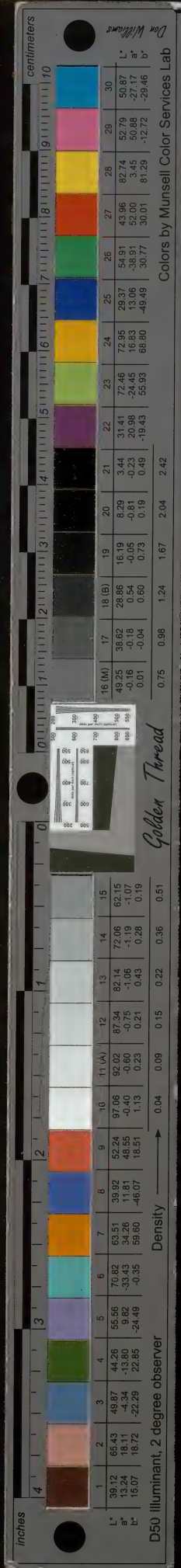


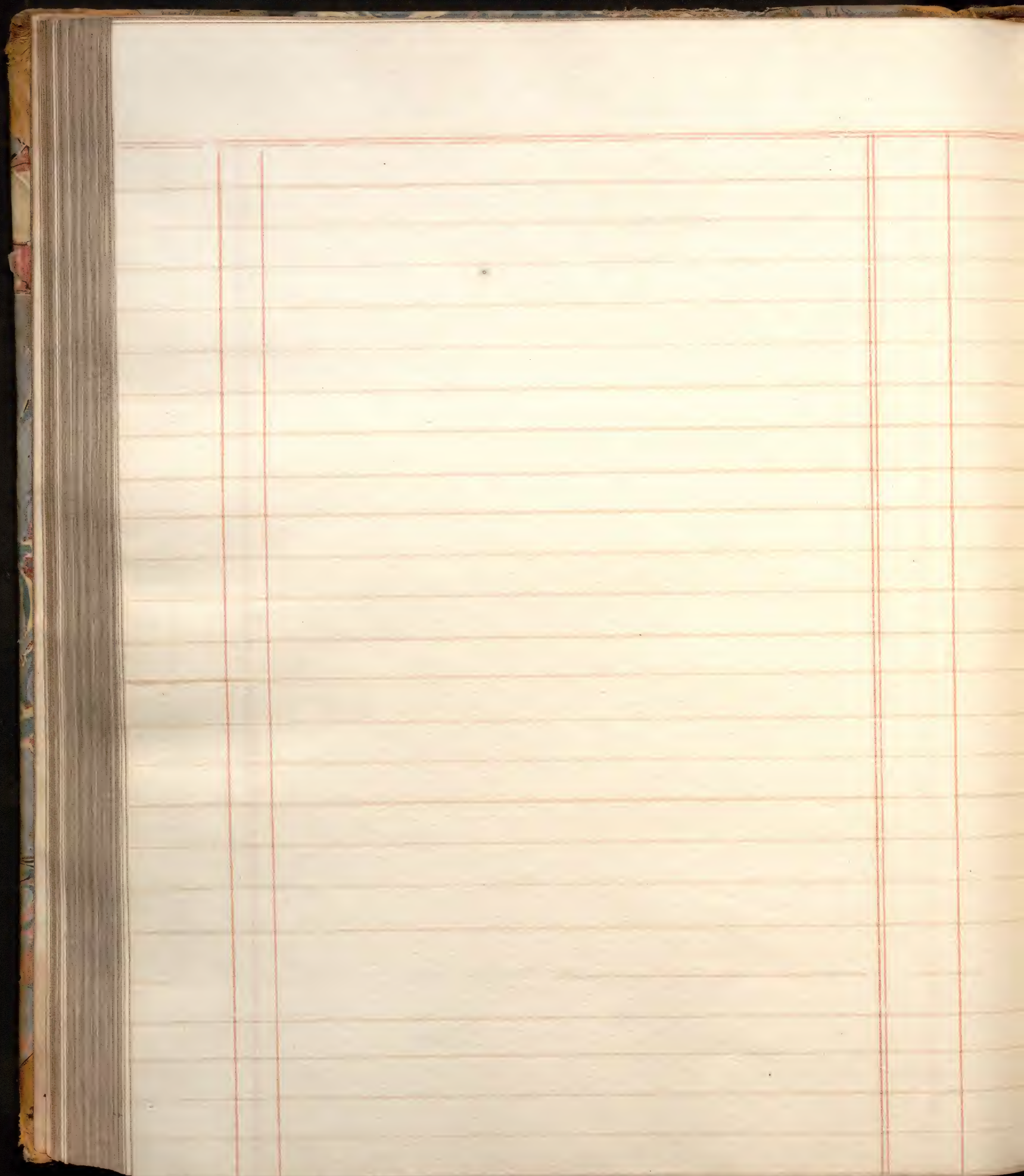


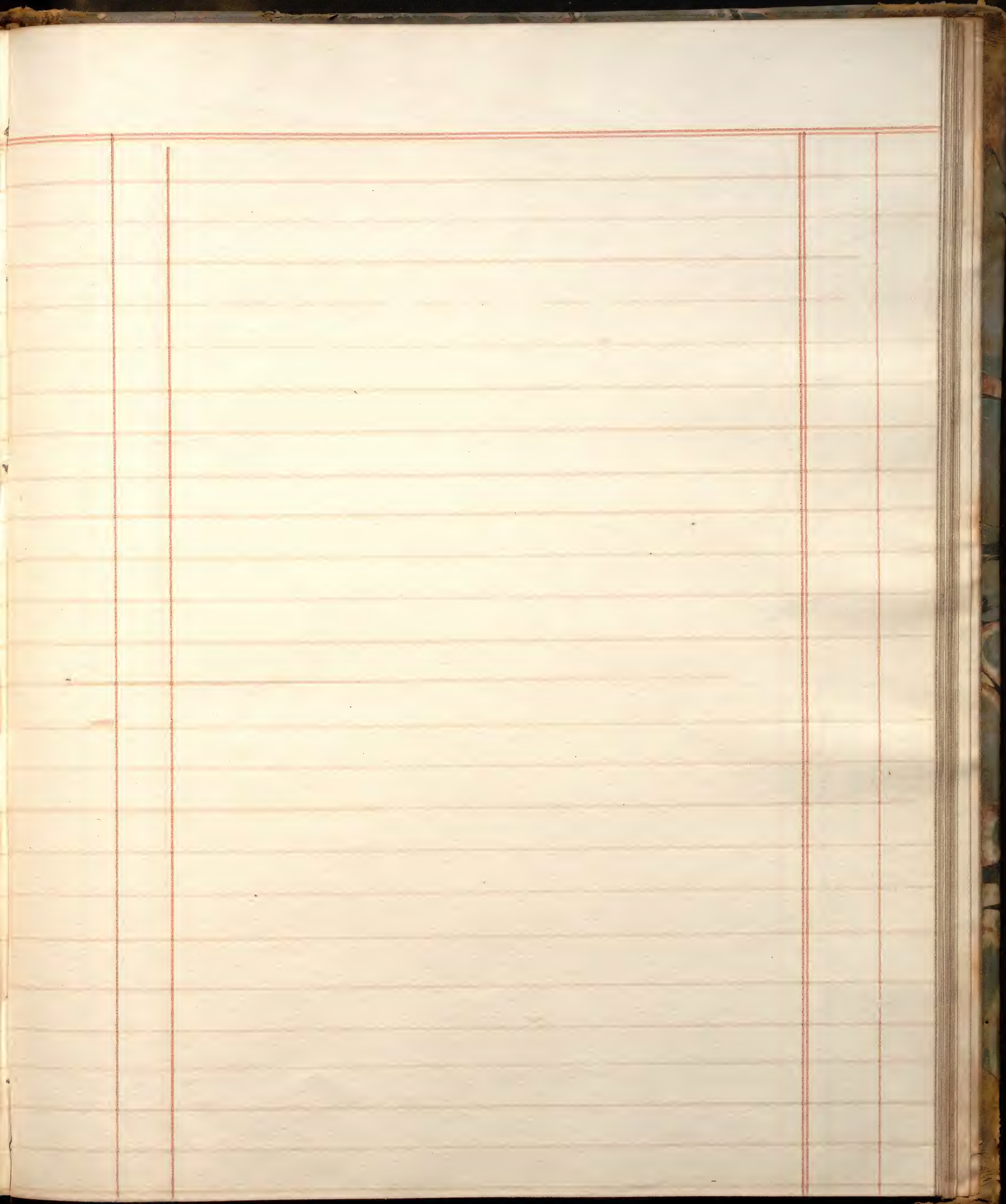












centimeters 10 9 8 7 6 5 4 3 2 1 0

inches 4 3 2 1 0

Don Williams

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

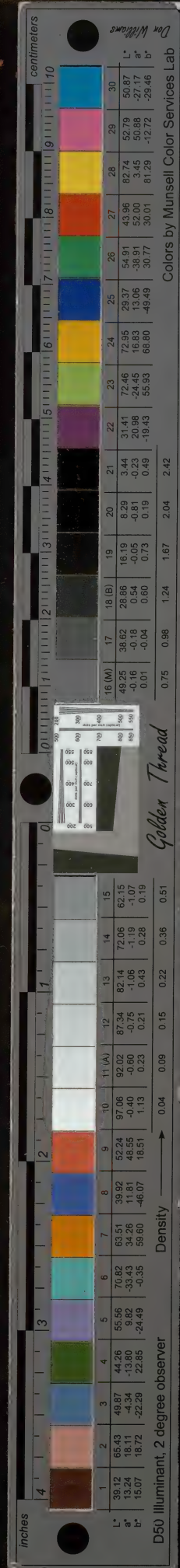
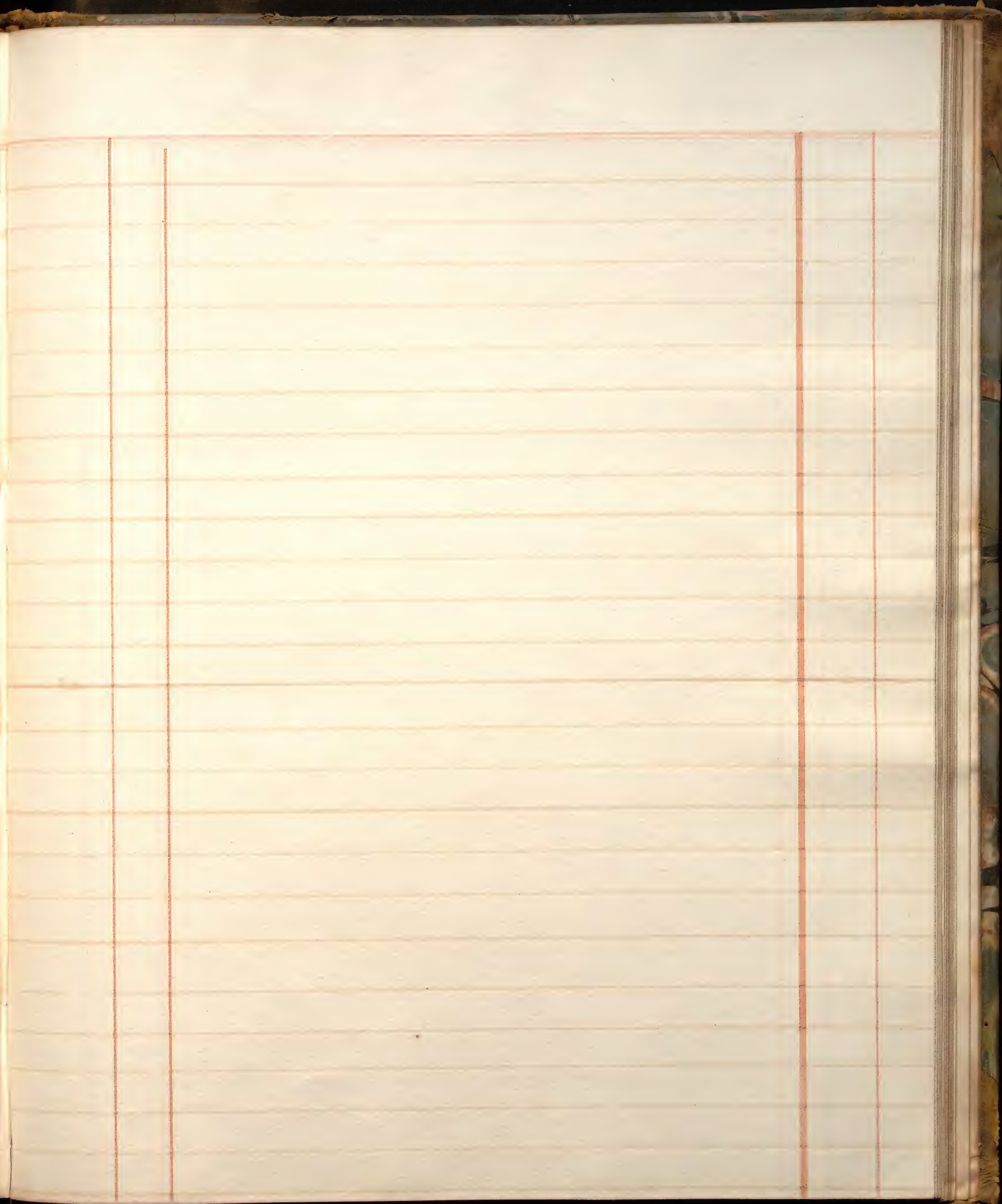
Density

Golden Thread

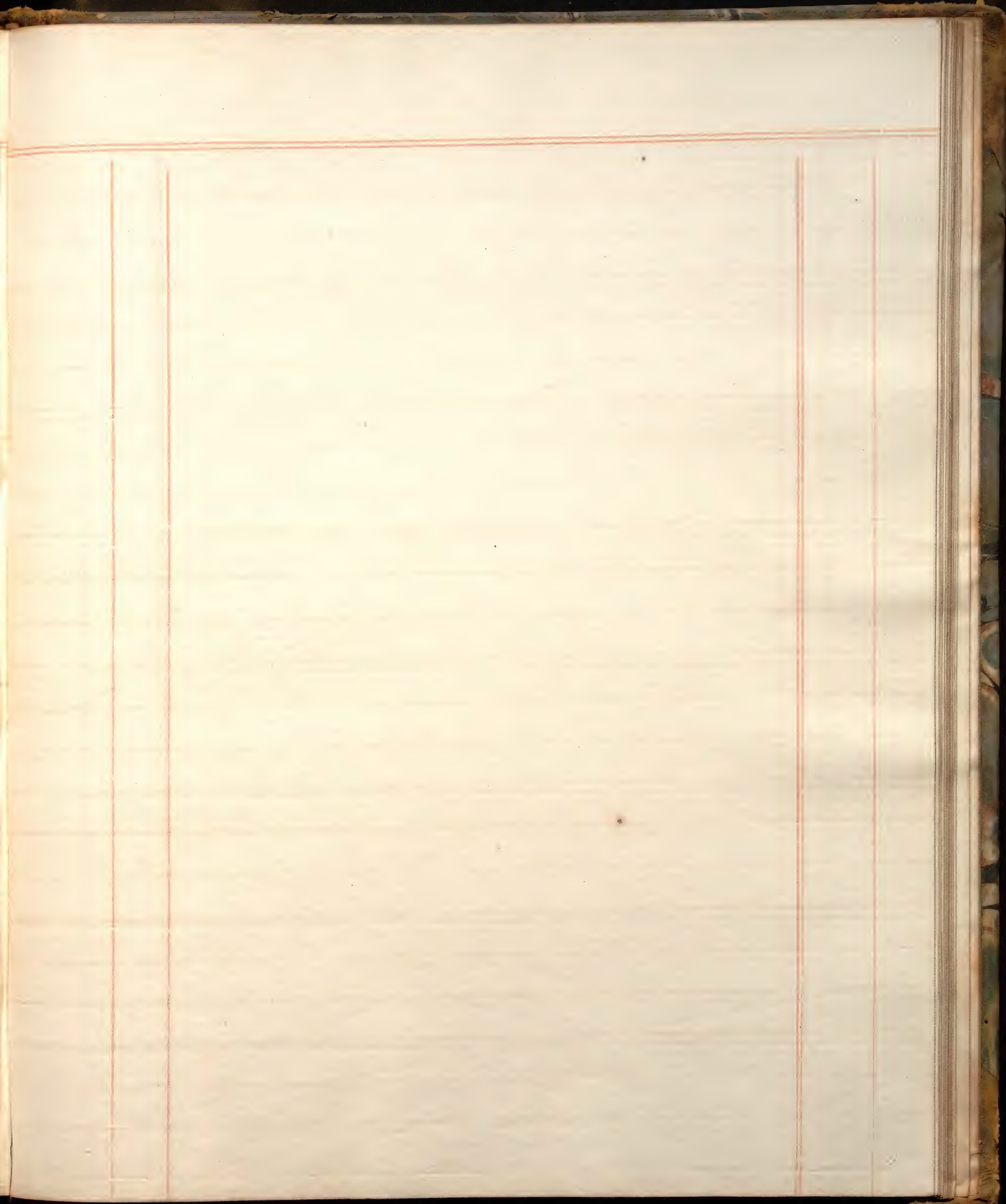
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	-22.85	-24.49	-0.35	-0.83	-0.16	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	-0.83	-0.16	-0.16	0.54	0.05	-0.05	0.54	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46









centimeters

10 9 8 7 6 5 4 3 2 1 0

inches

4 3 2 1 0

Don Williams

Colors by Munsell Color Services Lab

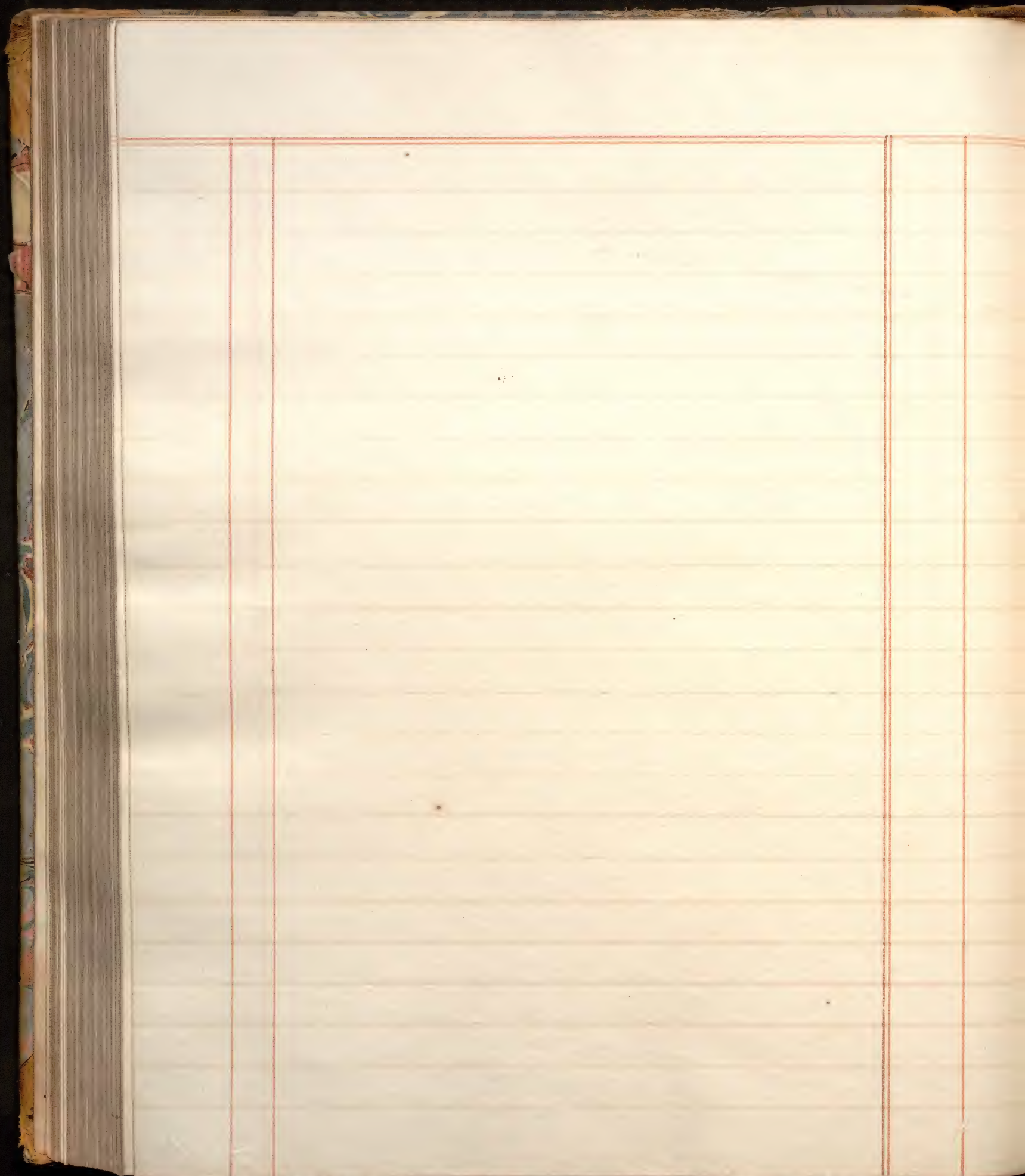
D50 Illuminant, 2 degree observer

Density

Golden Thread

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-22.85	-24.49	-0.35	-0.83	-0.60	-0.16	-0.18	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	-0.83	-0.60	-0.60	0.01	-0.04	0.60	0.73	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





Don Williams

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

Density

Golden Thread

centimeters

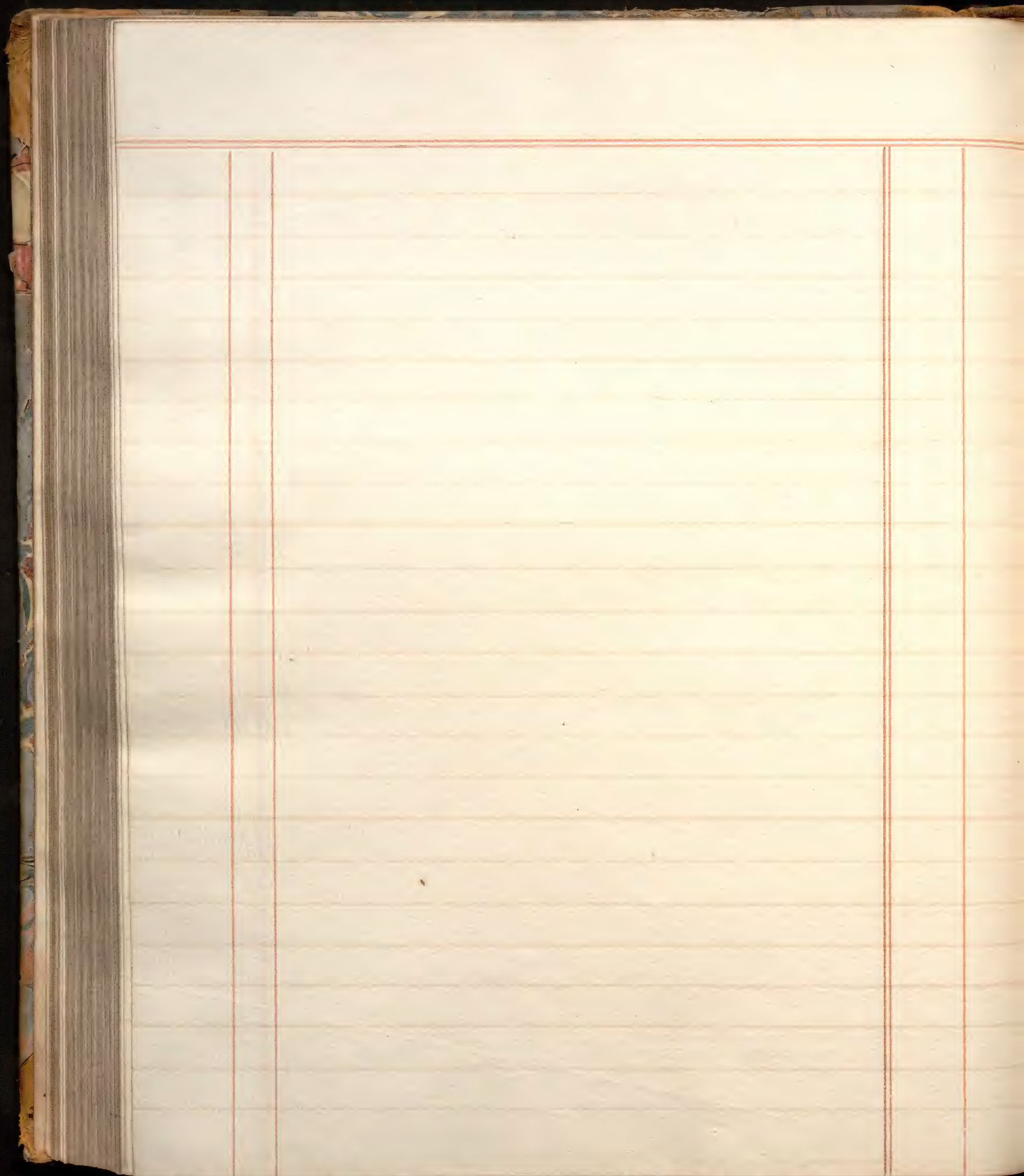
inches

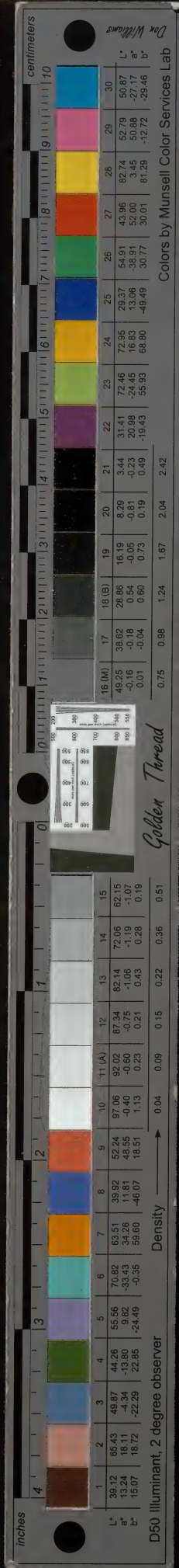
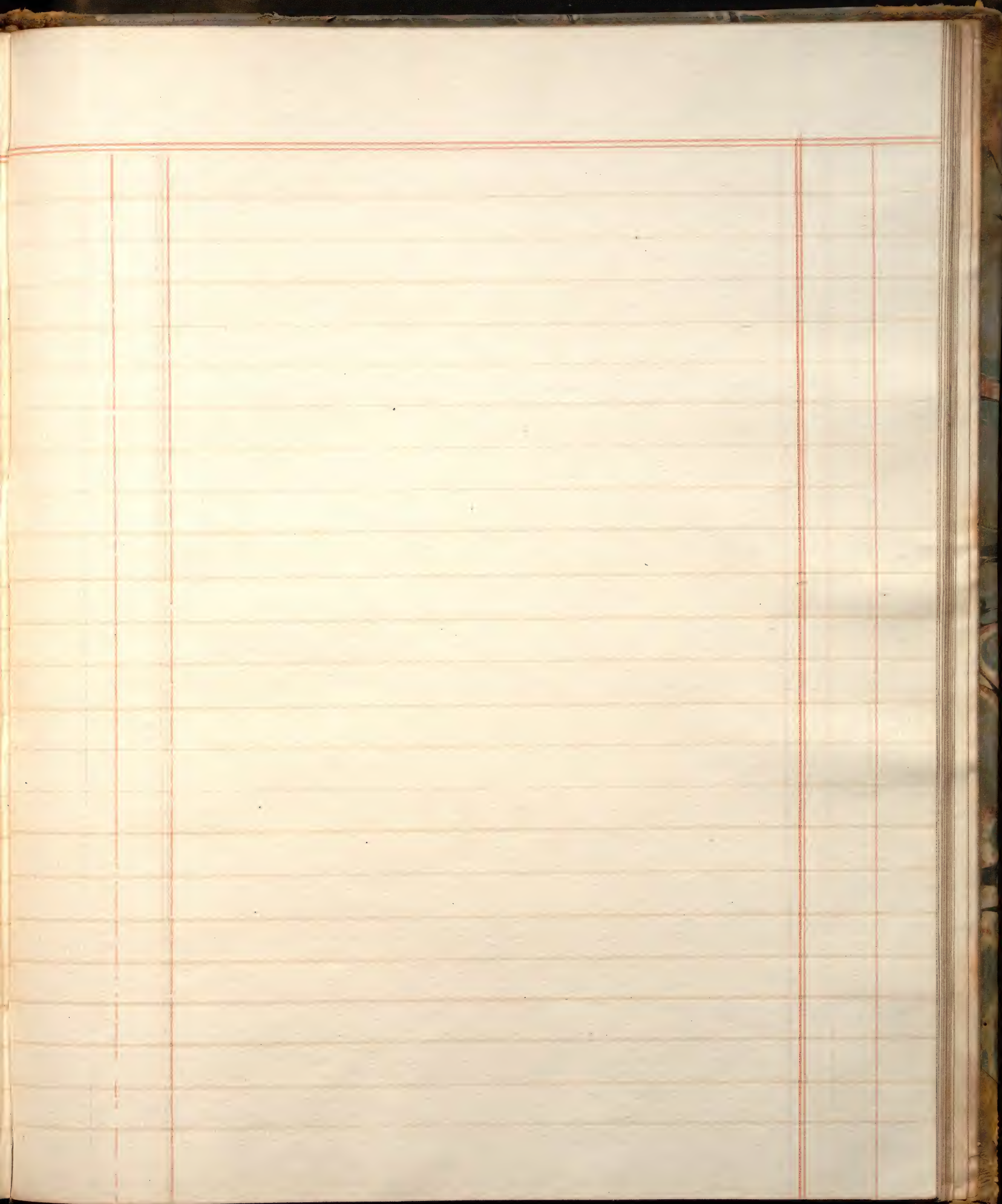
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	22.85	-3.45	59.60	-46.07	18.51	-1.13	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

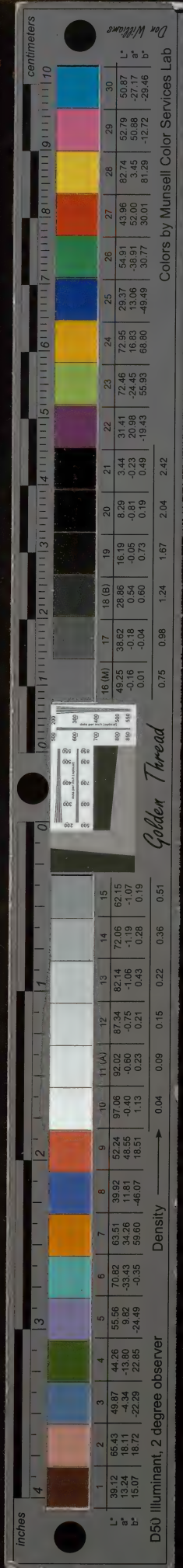
0 1 2 3 4 5 6 7 8 9 10

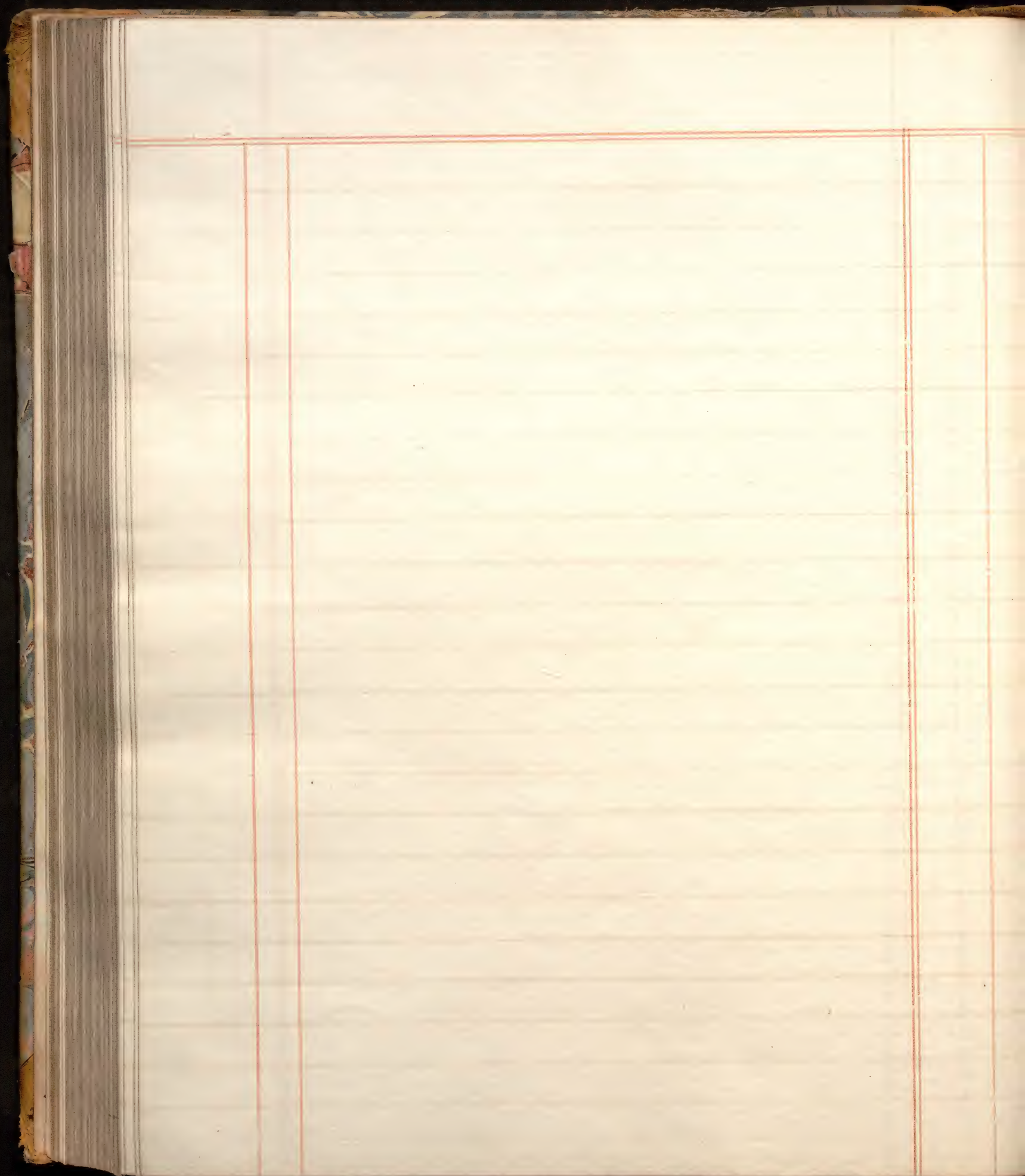
0 1 2 3 4 5 6 7 8 9 10

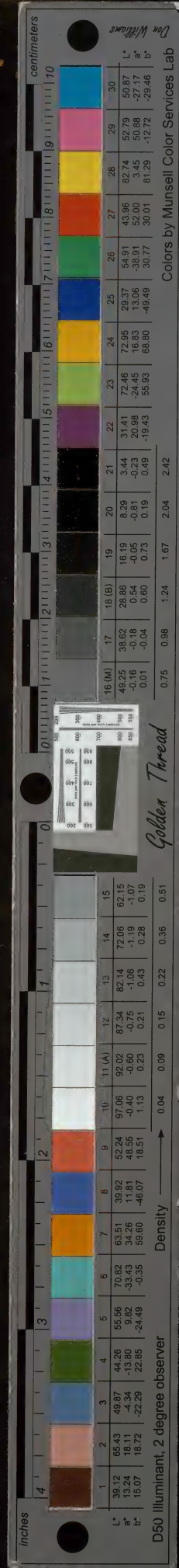
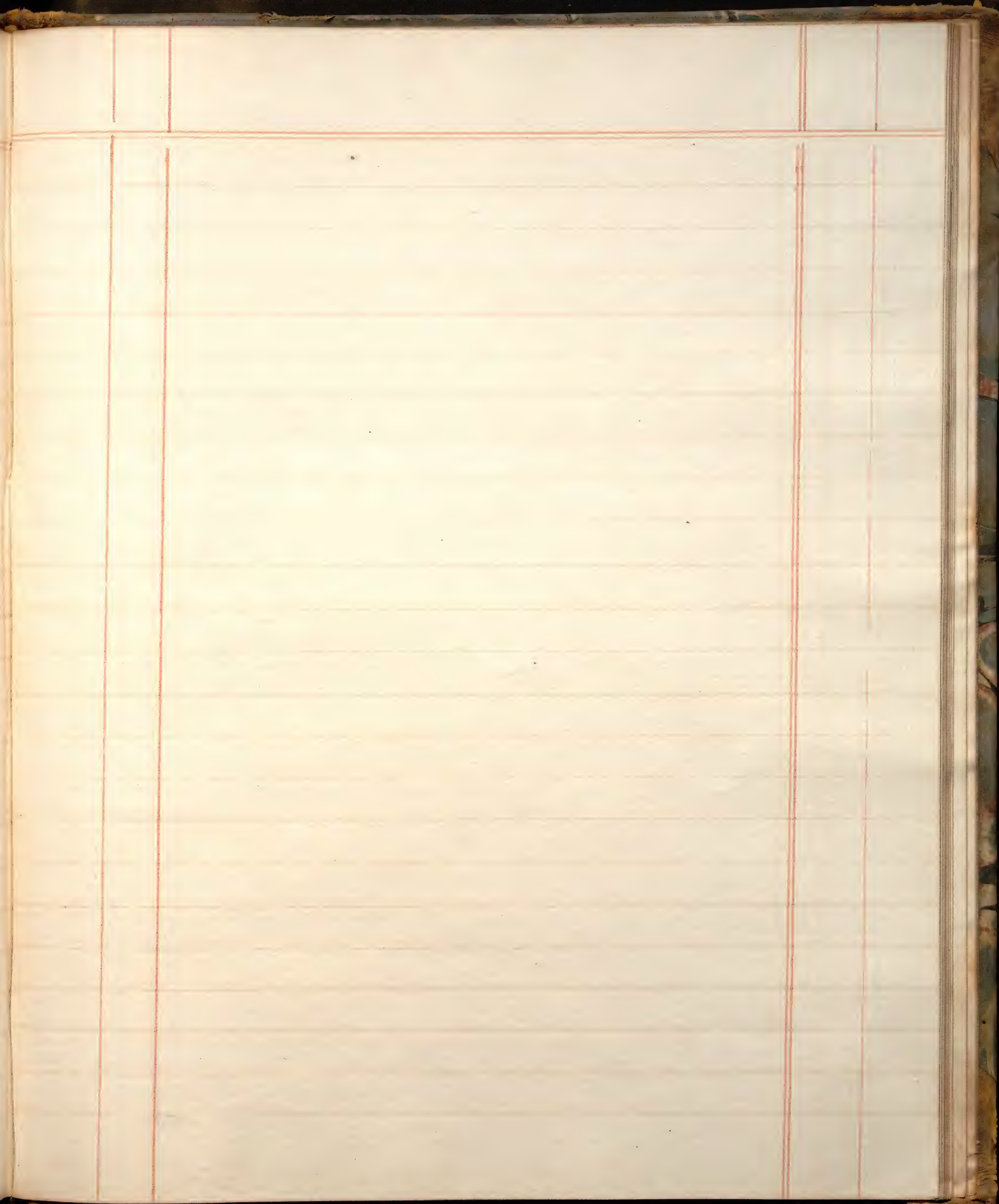


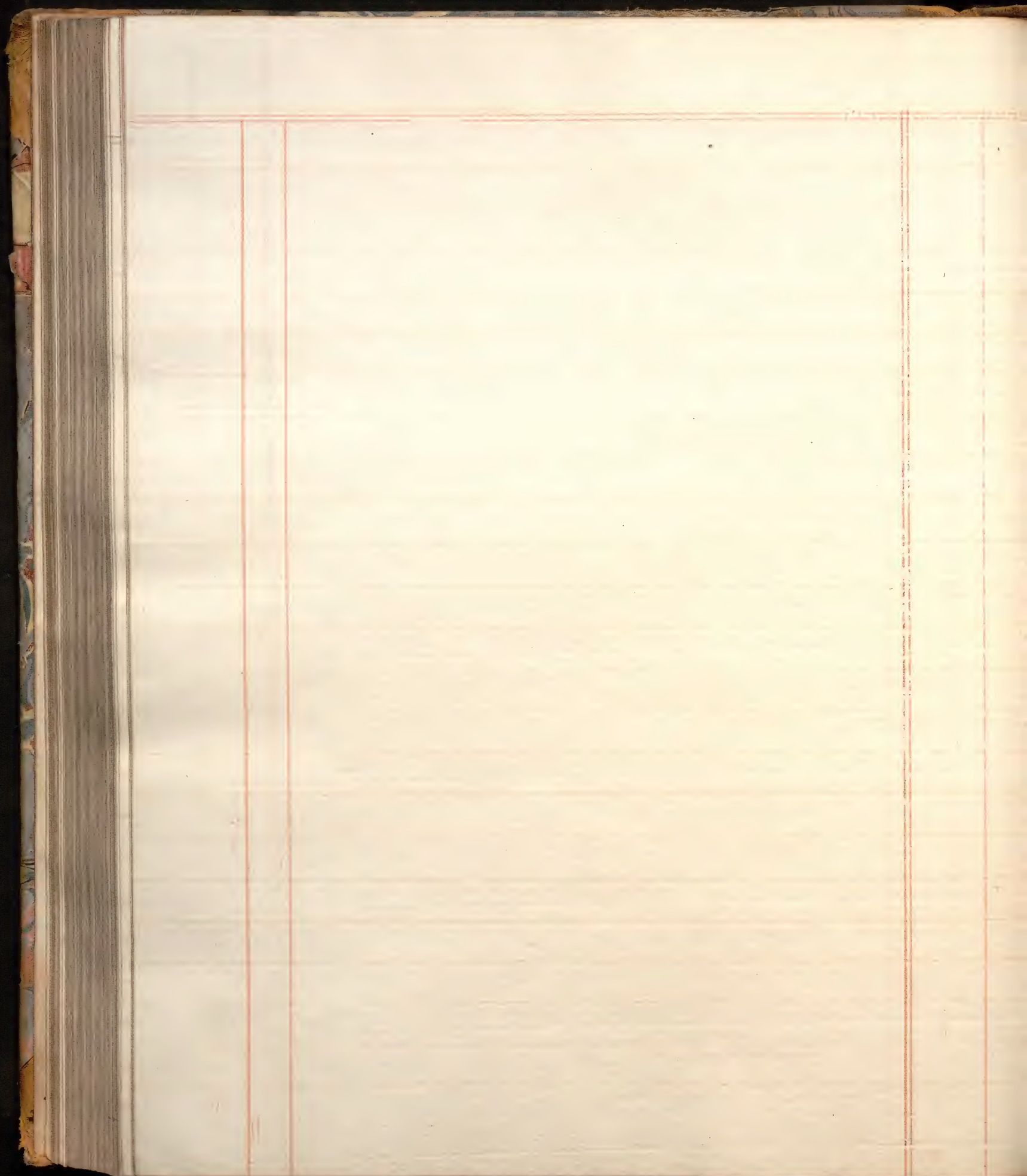


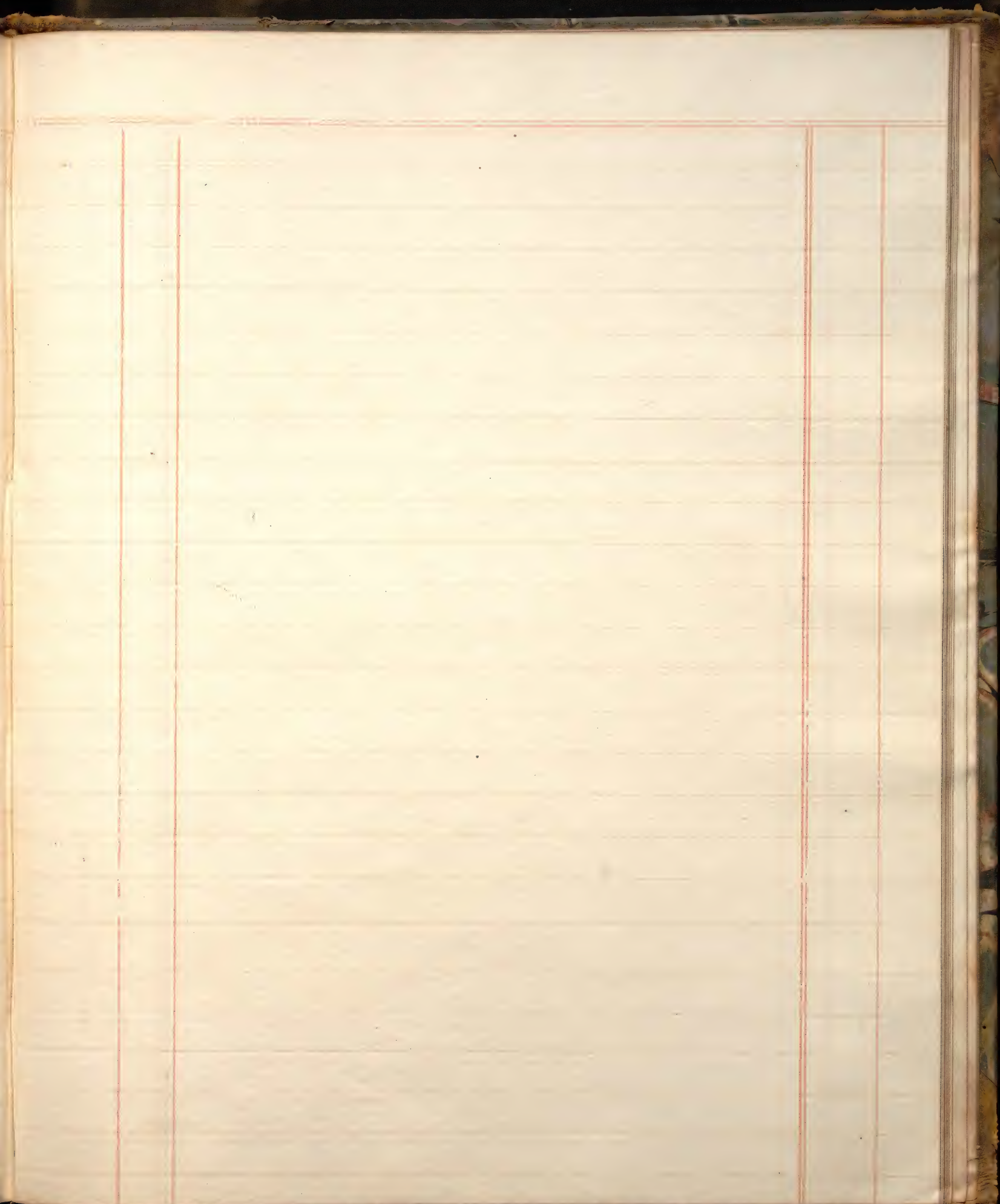












centimeters

10 9 8 7 6 5 4 3 2 1 0

inches

4 3 2 1

Don Williams

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

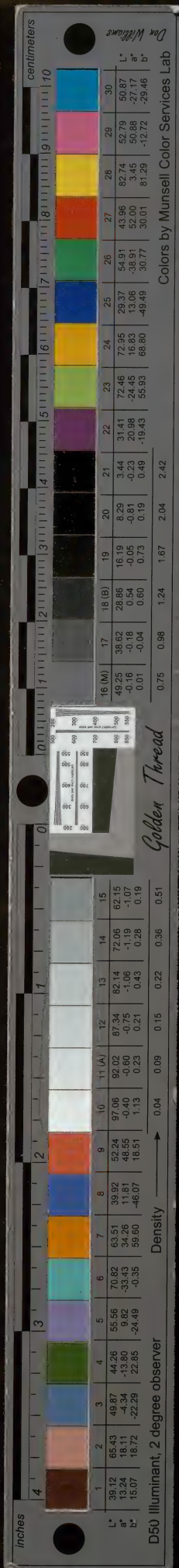
Density

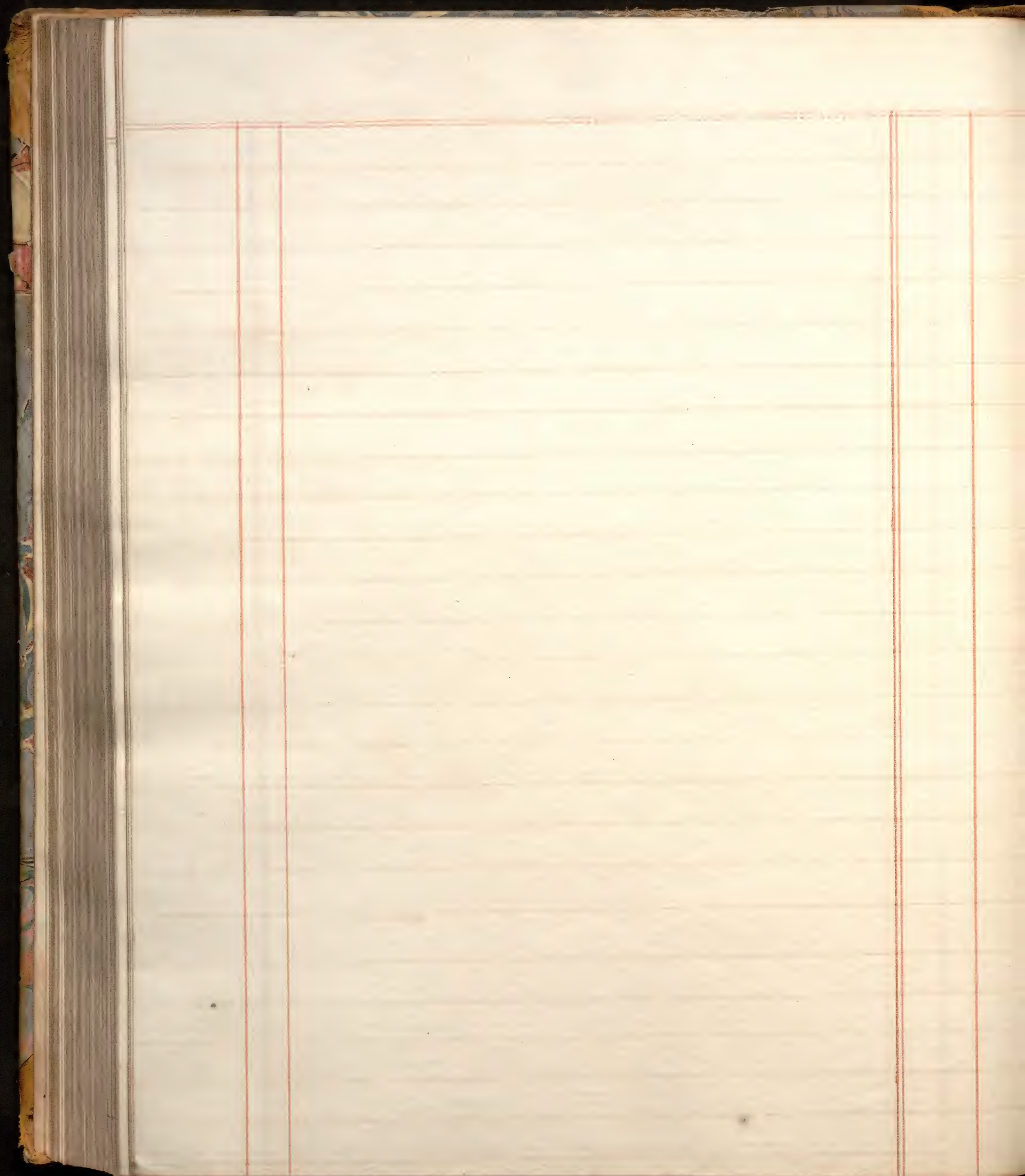
Golden Thread

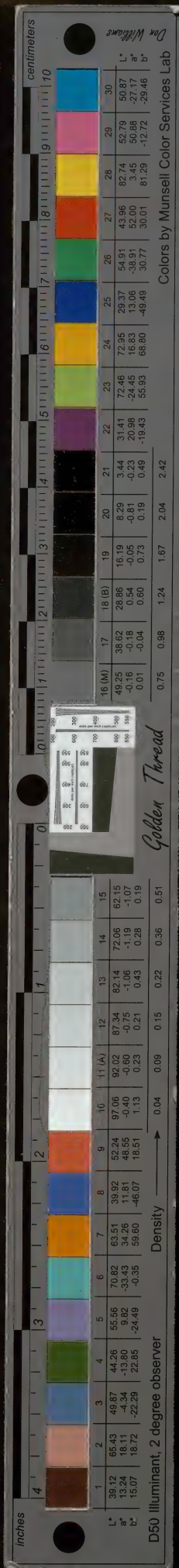
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-22.85	-24.49	-0.35	-1.06	-0.16	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	-1.06	-0.16	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19

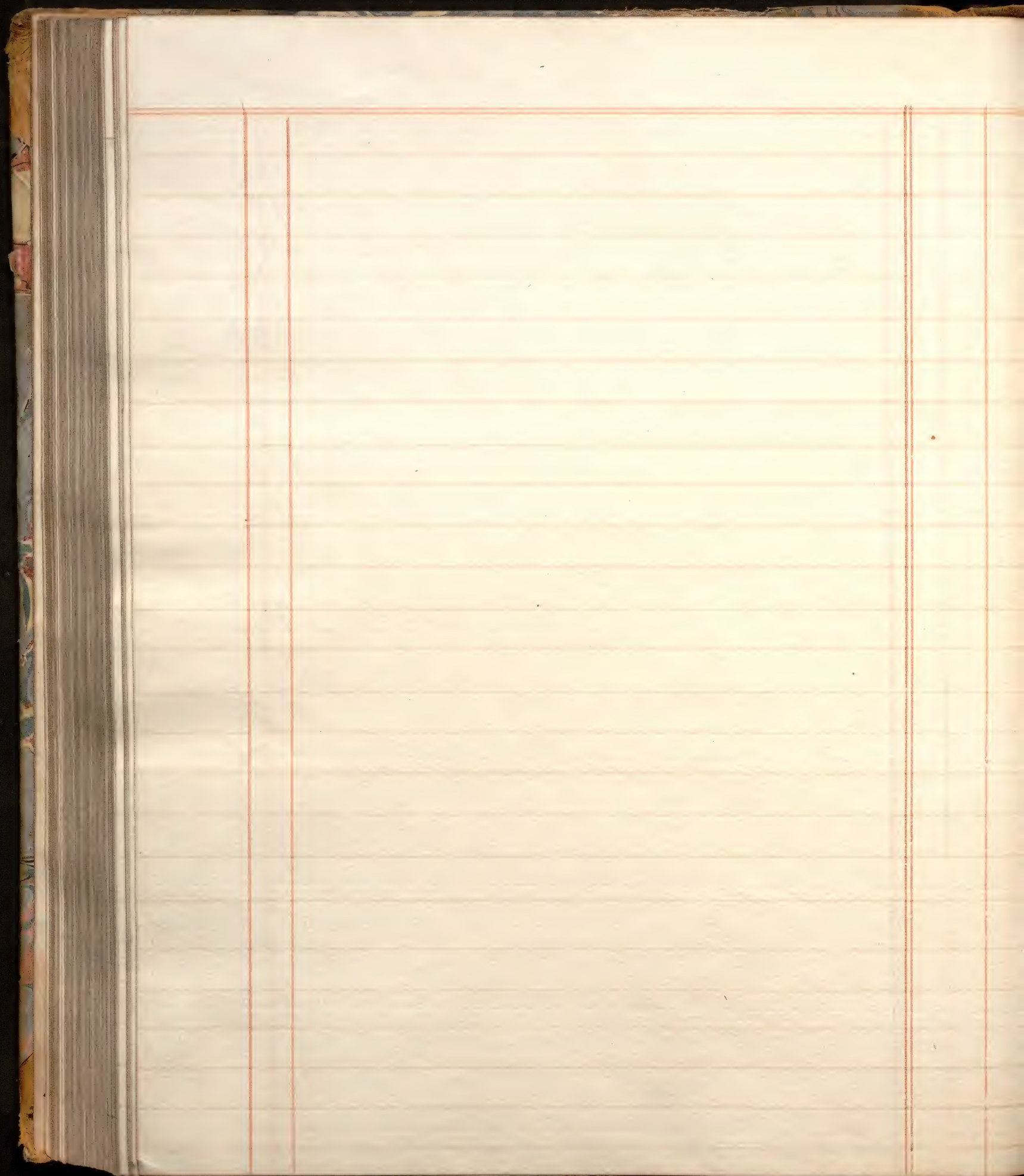
	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

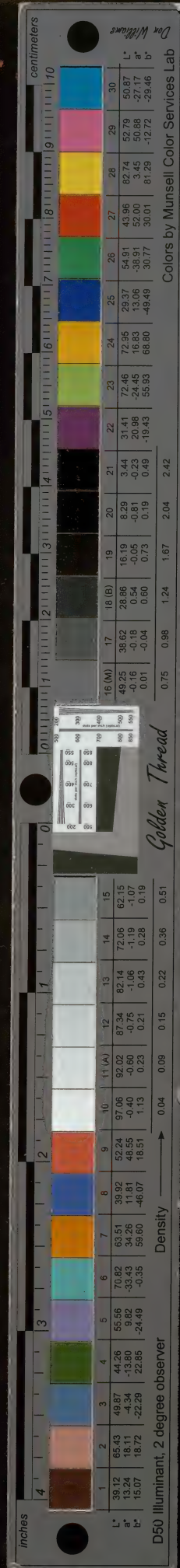
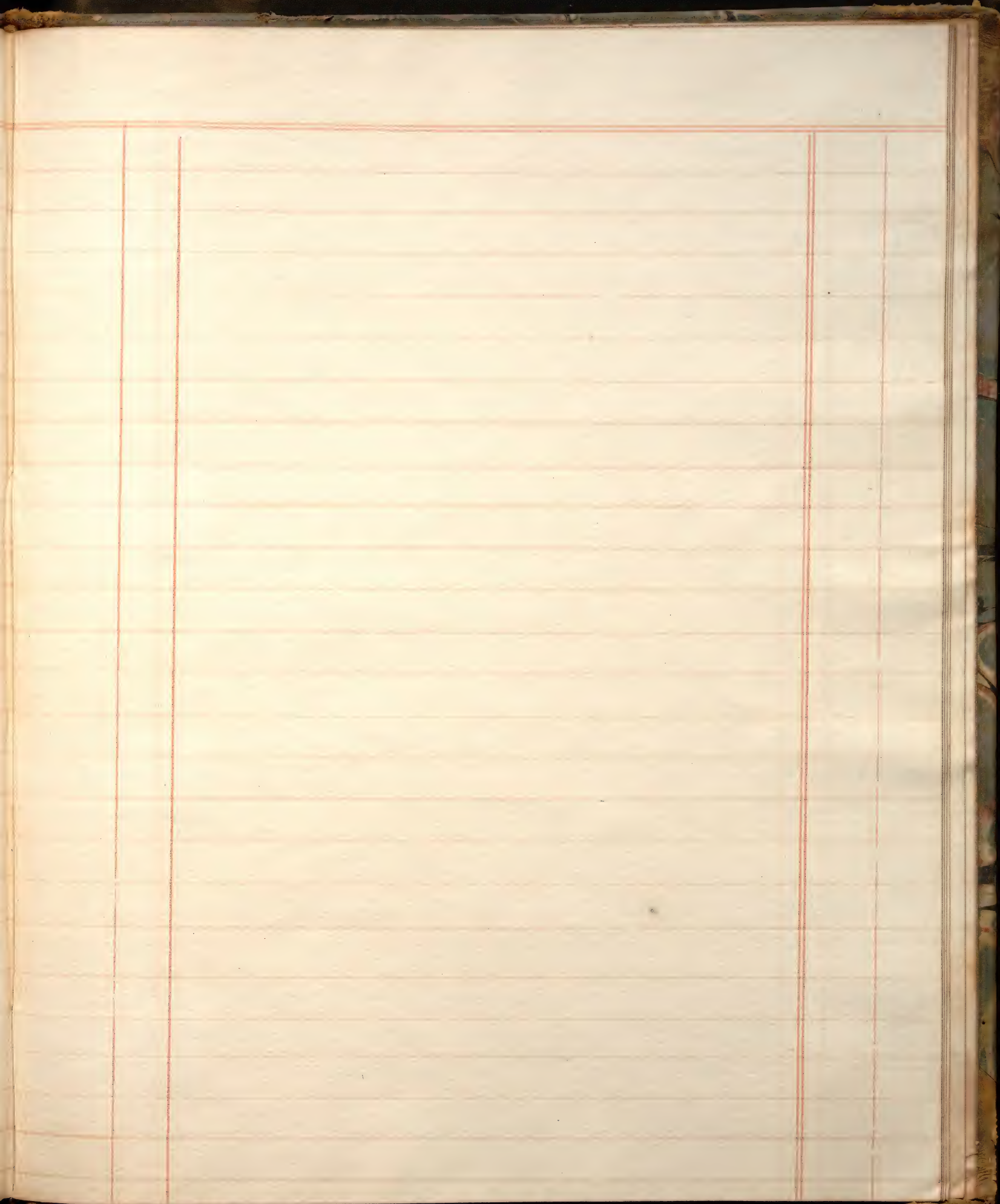


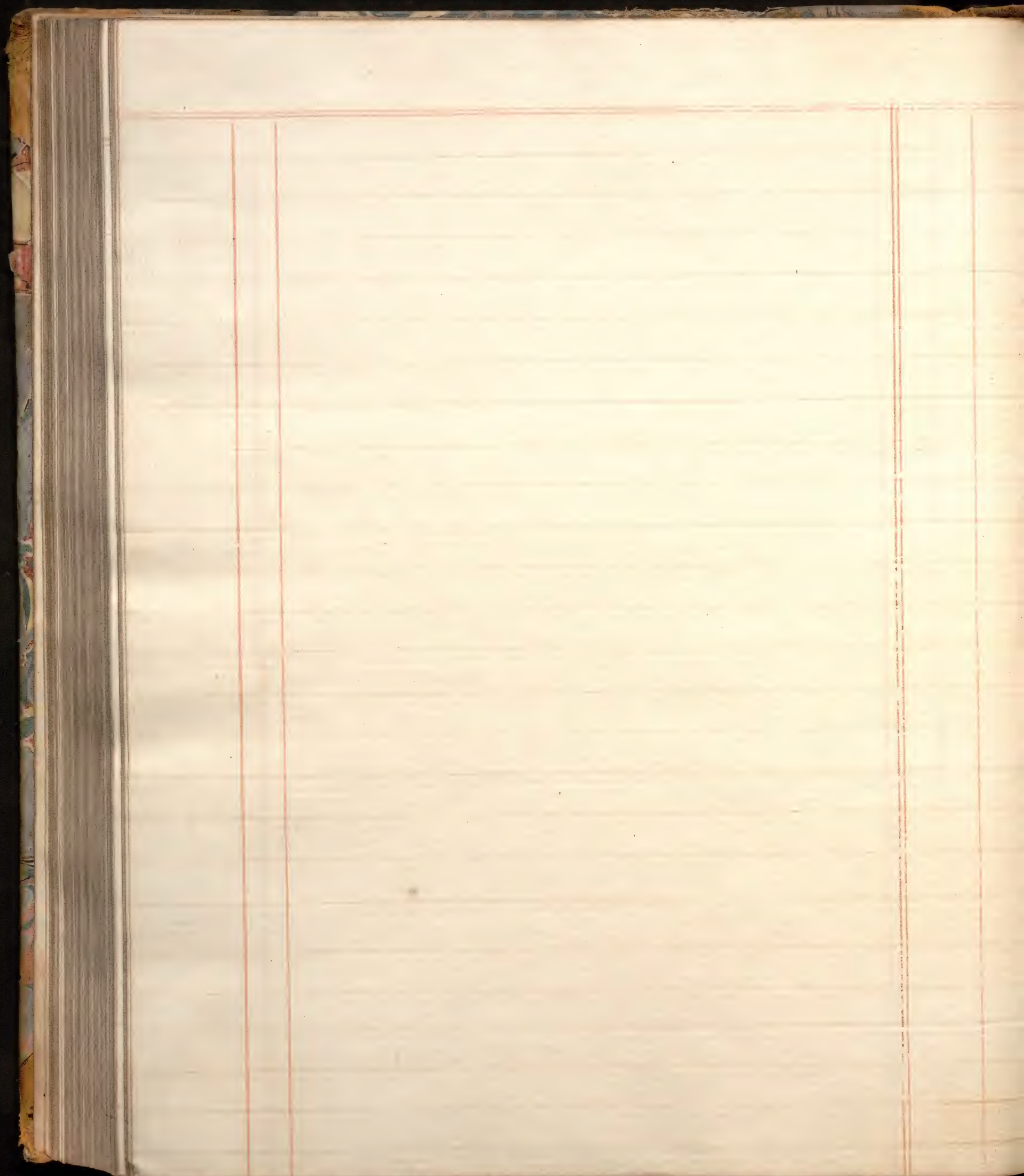


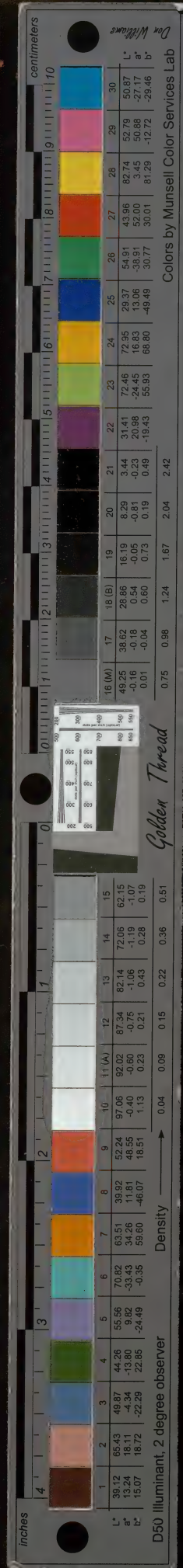


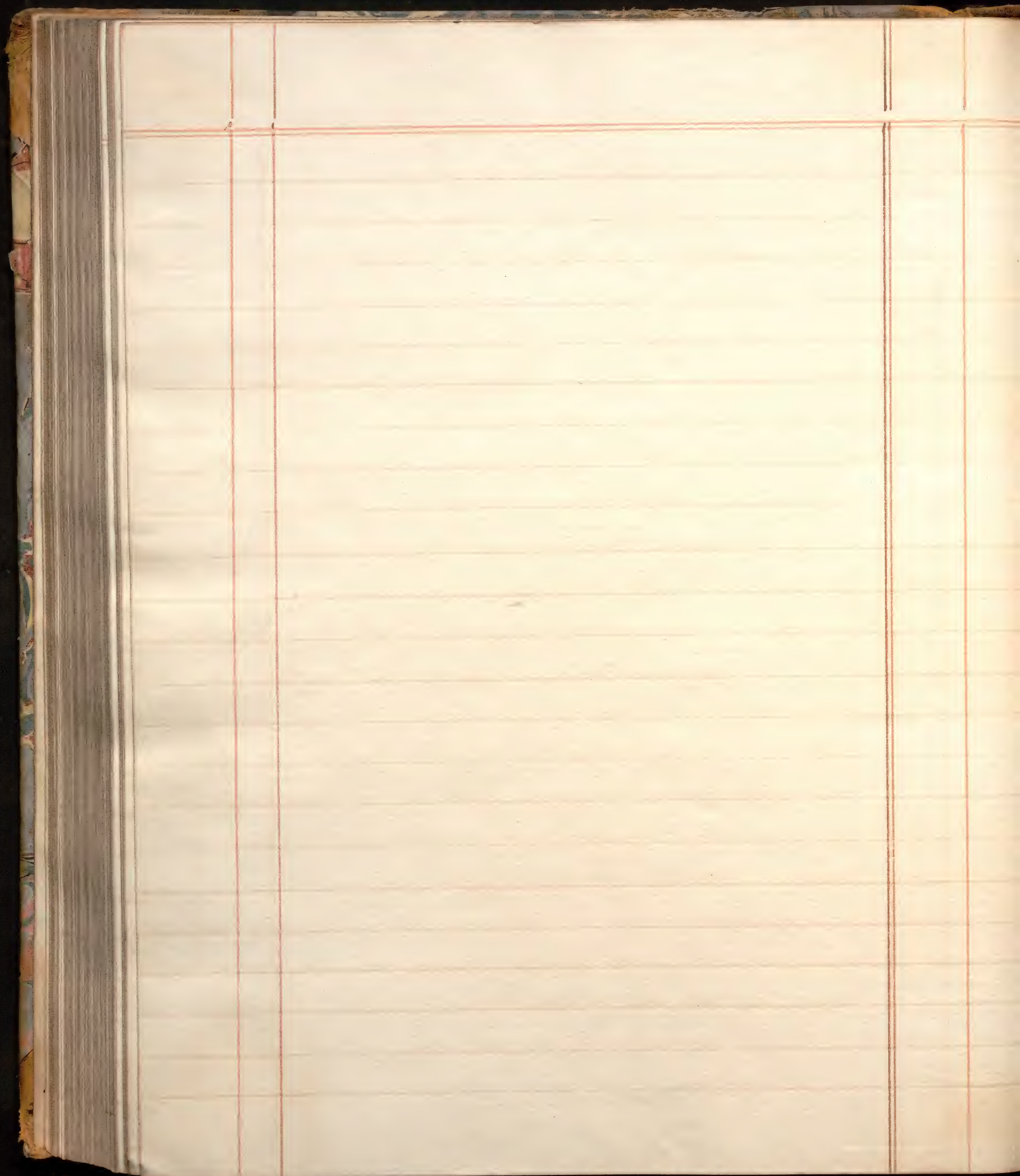














centimeters 10

inches 4 3 2 1

Don Williams

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

Density

Golden Thread

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	-1.19	-0.16	-0.18	-0.54	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

0.75 0.98 1.24 1.67 2.04 2.42





centimeters

10 9 8 7 6 5 4 3 2 1 0

inches

4 3 2 1

Don Williams

Colors by Munsell Color Services Lab

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15	
a*	13.24	18.11	-4.34	-13.80	-33.43	-33.62	34.26	-11.81	34.26	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

D50 Illuminant, 2 degree observer

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46

Golden Thread





Don Williams

Colors by Munsell Color Services Lab

D50 Illuminant, 2 degree observer

Density

Golden Thread

centimeters

inches

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	-9.82	-33.43	-34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46





centimeters

0 1 2 3 4 5 6 7 8 9 10

inches

0 1 2 3 4

Don Williams

Colors by Munsell Color Services Lab

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15	
a*	13.24	18.11	-4.34	-13.80	-9.82	-33.43	34.26	-48.07	18.51	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

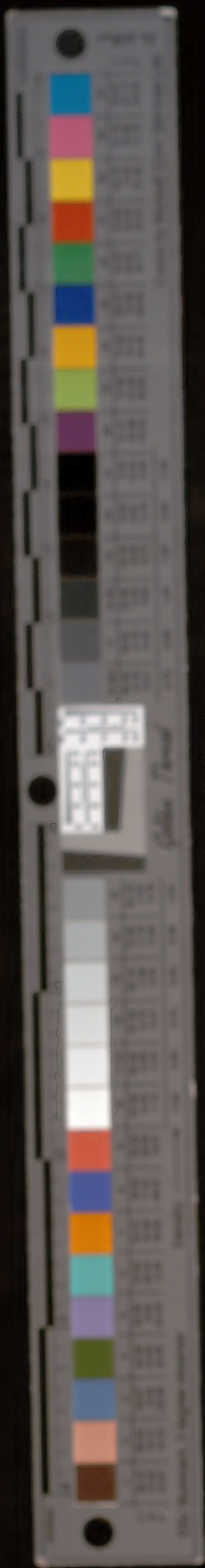
D50 Illuminant, 2 degree observer

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29	30
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79	50.87
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88	-27.17
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72	-29.46
Density	0.75	0.98	1.24	1.67	2.04	2.42									

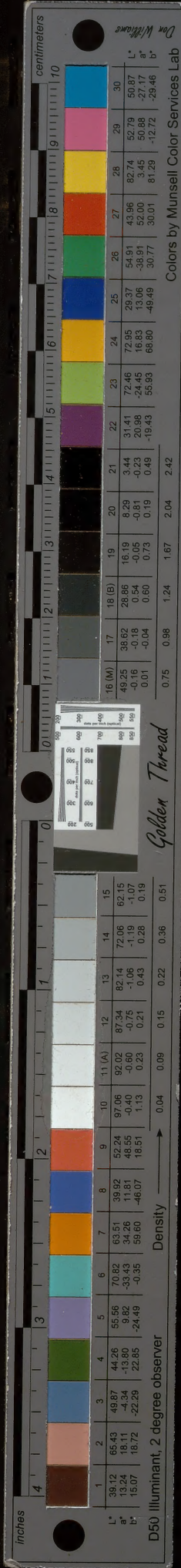
Golden Thread



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respondent Samuel Woods - and also a copy of each to
their friend Robert Barclay - Campbell will please
to send two complete copies of bearer.

He will also have the goodness to send Dr Parke's 3^d Vol
of Law of Pennsylvania - which he left at ^{the} Library Desk
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